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FLOOD INSURANCE STUDY

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COOK COUNTY, ILLINOIS
(UNINCORPORATED AREAS)

OCTOBER 15, 1980

federal emergency management agency
federal insurance administration

COMMUNITY NUMBER - 170054

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PUBLISHED SEPARATELY:

Flood Insurance Rate Map Index

Flood Insurance Rate Map

FLOOD INSURANCE STUDY
COOK COUNTY, ILLINOIS

1.0 INTRODUCTION

1.1 Purpose of Study

The purpose of this Flood Insurance Study is to investigate the existence and severity of flood hazards in the unincorporated areas of Cook County, Illinois, and to aid in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. Initial use of this information will be to convert unincorporated Cook County to the regular program of flood insurance by the Federal Insurance Administration (FIA). Further use of the information will be made by local and regional planners in their efforts to promote sound land use and flood plain development.

1.2 Coordination

Identification of streams to be studied in detail and streams to be studied by approximate methods was done at meetings attended by personnel of Harza Engineering Company (the study contractor), the FIA, and the State of Illinois, Department of Transportation, Division of Water Resources (DOWR). Hydrologic and hydraulic analyses were coordinated with the U. S. Army Corps of Engineers (COE); the U. S. Department of Agriculture, Soil Conservation Service (SCS); the U. S. Department of Agriculture, Forest Service; the U. S. Geological Survey (USGS); the Metropolitan Sanitary District of Greater Chicago (MSDGC); the State of Illinois, Departments of Conservation and Transportation; the Cook County Forest Preserve District; and steering committees represented by municipal governments.

Historic flood information, high-water information, and flow data used for flood frequency studies were obtained from the USGS. Climatic data were obtained from National Oceanic and Atmospheric Administration publications.

During the course of the work, flood elevations, flood boundaries, and floodway delineations were reviewed by officials of the DOWR, and the FIA. On December 13, 14, and 15, 1977, results of the work were reviewed at three final Consultation and Coordination Officer's (CCO) meetings attended by representatives of the FIA and the study contractor, and community and state officials.

1.3 Authority and Acknowledgements

The source of authority for this Flood Insurance Study is the National Flood Insurance Act of 1968, as amended.

The hydrologic and hydraulic analyses for this study were prepared by Harza Engineering Company for the Federal Insurance Administration, under Contract No. H-3809. This work, which was completed in September 1976, covered all significant flooding sources in the unincorporated areas of Cook County, Illinois.

2.0 AREA STUDIED

2.1 Scope of Study

This Flood Insurance Study covers the unincorporated areas of Cook County, Illinois. Not included in this study are the incorporated portions of the county, such as villages, townships, and cities. The area of study is shown on the Vicinity Map (Figure 1).

Detailed methods were used to study 60 streams in the subject area. These detailed-study streams are listed below.

West Fork of North Branch Chicago River
Tributary A of West Fork of North Branch Chicago River
Middle Fork of North Branch Chicago River
Salt Creek
Tributary B of Salt Creek
Tributary C of Salt Creek
Arlington Heights Branch of Salt Creek
West Branch of Salt Creek
Tributary D of West Branch of Salt Creek
Wheeling Drainage Ditch
Tributary A of Buffalo Creek
McDonald Creek
Tributary B of McDonald Creek
Prairie Creek
Higgins Creek
Tributary A of Higgins Creek
Silver Creek
Flag Creek
Tributary A of Flag Creek
Tributary B of Flag Creek
Tributary C of Flag Creek
Tributary A of Des Plaines River
Poplar Creek
Tributary A of Poplar Creek
South Branch of Poplar Creek
Schaumburg Branch of Poplar Creek
Thorn Creek
Tributary A of Thorn Creek
Deer Creek
Third Creek
Tributary B of Deer Creek
Butterfield Creek
North Creek
Lansing Ditch
Tributary A of Lansing Ditch
Plum Creek

VICINITY MAP

APPROXIMATE SCALE

0 8 16 24 MILES

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FIGURE 1

Midlothian Creek
Tributary A of Illinois and Michigan Canal
Tributary B of Illinois and Michigan Canal
Tributary BA of Illinois and Michigan Canal
Tributary A of Calumet Sag Channel
Tributary AA of Calumet Sag Channel
Tributary A of Mill Creek
Tributary B of Calumet Sag Channel
Tinley Creek
Tributary C of Calumet Sag Channel
Long Run
Tributary A of Long Run
Tributary B of Long Run
Tributary BA of Long Run
Tributary C of Long Run
Marley Creek
Tributary A of Marley Creek
Tributary B of Marley Creek
Tributary C of Marley Creek
Tributary D of Marley Creek
Spring Creek
Hickory Creek
Tributary A of Hickory Creek
Flossmoor Ditch
Tributary A of Flossmoor Ditch

For the incorporated communities within Cook County that exercise extraterritorial jurisdiction, the flood boundaries and floodways have been identified and delineated in this study. The only exception is for the Village of Arlington Heights in Cook County. The areas of extraterritorial jurisdiction for Arlington Heights are shown in the Flood Insurance Study for the village, published in May 1978, and the present study excludes these areas.

Many of these streams pass into and out of several incorporated areas along their courses; however, only the stream segments located in the unincorporated areas of the county are described in this report. The areas studied by detailed methods were selected with priority given to all known flood hazard areas and areas of projected development and proposed construction for the next five years, through September 1981.

Portions of the main stems and tributaries from major drainage networks within Cook County were studied by approximate methods. These networks include: North Branch Chicago River, Salt Creek, Des Plaines River, Poplar Creek, and Little Calumet River. Other approximate study areas include portions of Higgins Creek, Lansing Ditch, Tributary A of Thorn Creek, Wheeling Drainage Ditch, Butterfield Creek, Butterfield Creek East Branch, Tributary of Butterfield Creek East Branch, West Branch DuPage River, Addison Creek, Chicago Sanitary Drainage and Ship Canal, Calumet Sag Channel, Tributary A of Calumet Sag Channel, Goose Lake, Tinley Creek, Midlothian Creek, Midlothian Creek Tributary, North Creek, Spring Creek, Tributary D of Marley Creek, Tributary of Union Drainage Ditch, Western Branch

Midlothian Creek, Union Drainage Ditch, Flossmoor Ditch, Thorn Creek, Mill Creek, Tributary A of Mill Creek, Orland Lake, Lord's Park Tributary, Tributary A of Long Run, Skokie River, Skokie Ditch, Skokie Lagoons, Silver Creek, Willow Creek, Axehead Lake, Feehanville Ditch, Farmer's Creek, White Pine Ditch, Baker Lake, Merrionette Park Ditch, Saganashkee Slough, Tributary B of Calumet Sag Channel, Belly Deep Slough, and other unnamed streams located in Cook County. Approximate methods of analysis were used to study those areas having low development potential and minimal flood hazards as identified at the initiation of the study. The scope and methods of study were proposed to and agreed upon by the FIA.

2.2 Community Description

Cook County is situated in northeastern Illinois. The county has a total area of 938 square miles, of which about 25 percent is unincorporated. This area is undergoing rapid urbanization, which could mean more flood-damage problems than in the past along the streams studied in this report.

Temperature data are published for 13 climatological stations in Cook County; however, all of these stations are in the metropolitan Chicago area (Reference 1). Data for the station at Chicago's Midway Airport are typical for these stations and for the county as well. The average annual temperature at Midway Airport is 50.8 degrees Fahrenheit (°F), with average January temperatures of 26°F and average July temperatures of 76°F. Average annual precipitation at the Midway Airport gage is 33.2 inches.

The North Branch Chicago River is the main drainage feature for many of the northern suburban communities of Chicago. The North Branch flows southeasterly through many incorporated areas to join the South Branch in downtown Chicago. The study reaches are located in the northeastern corner of Cook County, where there are intermittent reaches flowing through unincorporated land.

Salt Creek is a tributary of the Des Plaines River; it flows southward from Palatine to Oak Brook, then eastward to its confluence with the Des Plaines River within Lyons. The unincorporated areas being investigated in the Salt Creek watershed are adjacent to the communities of Addison, Elk Grove Village, Rolling Meadows, and Inverness. Study reaches on the West Branch of Salt Creek are intermittent with the corporate boundaries of Schaumburg.

The Des Plaines River parallels the North Branch Chicago River, which is located 5.5 miles to the east, for the first 12 miles of its southerly path through Cook County. The Des Plaines River

continues south for another 14 miles to the vicinity of the Chicago Sanitary and Ship Canal; it then flows southwestward, parallel to the canal. Seven major tributaries of the Des Plaines River and seven second-order tributaries are considered in this report. These tributaries are located along the entire course of the Des Plaines River flood plain, just outside the limits of several incorporated suburban communities.

Another major drainage feature is Poplar Creek, which drains northwestern Cook County and flows southwestward into the Fox River near Elgin in Kane County. Four segments of the main stream of Poplar Creek were selected for analysis: between the Kane-Cook County line and Elgin, between Elgin and Hoffman Estates, between Hoffman Estates and South Barrington, and between South Barrington and Barrington Hills. The South Branch of Poplar Creek was studied from its confluence with Poplar Creek to Streamwood. The Schaumburg Branch of Poplar Creek was studied from the confluence with Poplar Creek to the Northwest Tollway.

The major tributary of the Little Calumet River considered in this report is Thorn Creek, which flows northwestward from the Cook-Will County line and joins the Little Calumet River in South Holland, a distance of about 12 stream miles. Thorn Creek flows through the incorporated municipalities of South Chicago Heights, Chicago Heights, Glenwood, and South Holland; only the extreme upstream reach in Cook County and a small reach near Interstate 80 are located in unincorporated areas. Five major tributaries and one second-order tributary of Thorn Creek were studied also. These tributaries drain unincorporated areas which are under residential urbanization pressure from seven surrounding suburban communities. A 2.29-mile reach of Plum Creek which crosses the extreme southeast corner of Cook County is included in this study; the undeveloped drainage area of Plum Creek is located near Sauk Village, and residential urbanization is expected within the next five years.

Nine principal streams and several second- and third-order tributaries were grouped for purposes of discussion and analysis; these streams are located in southwest Cook County in unincorporated areas that are not yet developed, but are expected to have significant residential development in the next five years. The area containing these streams is bounded by the county line, the Illinois and Michigan Canal, and the Calumet Sag Channel.

2.3 Principal Flood Problems

In unincorporated areas of Cook County, flood peaks have been increasing because of recent urbanization of the uplands, with

resultant greater runoff. Urbanization often is accompanied by filling in the flood plain or by encroachment upon it, which reduces channel conveyance capacity. Increased floods on the main channels cause backwater effects up their tributaries. Additional flood runoff is unable to flow through restricted culverts and bridge openings, which often are clogged with sediment and debris from new construction. The problems associated with urbanization are further complicated by inadequate channel improvements.

Flood damages include residential damage, some business and commercial damage, road closures with corresponding transportation disruption, school closures, and agricultural damages. The worst damage happens to residences. The floodwater enters sanitary sewers through street manholes, and floods basements and lower levels. This flooding is accompanied by major cleanup problems and health hazards, though there is usually no structural damage. More severe floods gain direct entrance to basements, subground living areas, and lower-level garages through surface runoff. This type of flood causes some minor structural damage. Only infrequently do floods enter first floor levels by direct surface runoff. When this does occur, there is usually major damage to structures and contents. In the unincorporated area of Cook County, business and commercial structures are generally located higher than residences and suffer relatively minor flood damage.

Another major type of flood damage is the flooding of highways and local roads. Considerable economic losses result from delays in travel. Flooded roads impede emergency vehicles and vehicles providing necessary goods and services. Schools often are closed because of lack of access.

A third type of flood damage is neighborhood degradation caused by frequent flooding. This is more subtle damage characterized by declining neighborhoods.

Estimates for flood damages are not available for unincorporated areas of Cook County.

2.4 Flood Protection Measures

Many flood protection measures in Cook County have either been installed or planned for construction in the near future. Five of these projects encompass large areas of Cook County. The remaining projects consist of the construction and maintenance of floodwater-retarding structures, channel maintenance, dredging, channel improvements, and debris removal on a specific reach of a stream.

The MSDGC is the implementing agency for two major flood protection measures. The Compensatory Storage Required for New Construction Project covers all areas served by the MSDGC. The Tunnel and Reservoir Plan is operative throughout the North Branch Chicago River watershed and along tributaries of the Little Calumet River.

The DOWR is responsible for flood plain regulations for the watersheds of the North Branch Chicago River, Salt Creek, and Poplar Creek, and for tributaries of the Little Calumet River. The department also provides flood-proofing assistance for the same areas, excluding the Salt Creek watershed.

The COE is responsible for the fifth major flood protection measure. They are doing a restudy dealing with land treatment for the watersheds of the North Branch Chicago River, Salt Creek, and Poplar Creek, and for tributaries of the Little Calumet River.

Specific flood-control measures include the multi-purpose Busse Woods Reservoir, low-flow control dams along the Des Plaines River upstream from Riverside, a dam and reservoir for the purposes of flood control and recreation along Midlothian Creek, and the Sauk Trail Reservoir.

Several of the flood protection measures mentioned are located in incorporated areas or on main stem or tributary reaches that are not within the scope of this study. However, these measures do affect water-surface elevations for streams in the unincorporated areas, and, therefore, were considered in the analyses.

3.0 ENGINEERING METHODS

For the flooding sources studied in detail in the county, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this study. Floods having recurrence intervals of 10, 50, 100, and 500 years have been selected as having special significance for flood plain management and for flood insurance premium rates. The analyses reported here reflect current conditions in the watersheds of the flooding sources.

3.1 Hydrologic Analyses

Hydrologic analyses were carried out to establish the peak discharge-frequency relationships for floods of the selected recurrence intervals for each flooding source studied in detail in the county.

Discharges for the 10-, 50-, and 100-year floods for streams studied in detail were computed using the log-Pearson Type III method (Reference 2) for gaged streams and regional equations for ungaged streams (References 3 and 4). The 500-year flood discharges were estimated by straight-line extrapolation.

The USGS stream gages used for the hydrologic analyses for the streams studied in detail in Cook County, Illinois, are presented in Table 1, "USGS Stream Gages."

TABLE 1 - USGS STREAM GAGES

FLOODING SOURCE AND LOCATION	USGS GAGE NUMBER	DRAINAGE AREA (sq. miles)	RECORD (years)
West Fork of North Branch Chicago River at Deerfield, Illinois	05534500	19.7	24
North Branch Chicago River at Niles, Illinois	05536000	100	26
Salt Creek near Arlington Heights, Illinois	05531000	32.5	22
Salt Creek at Western Springs, Illinois	05531500	114	31
Des Plaines River near Gurnee, Illinois	0552800	230	29
Des Plaines River near Des Plaines, Illinois	0552900	359	36
Buffalo Creek near Wheeling, Illinois	05528500	19.4	24
Flag Creek at Willow Springs, Illinois	05533000	16.5	25
Poplar Creek at Elgin, Illinois	05550500	36.3	25
Deer Creek near Chicago Heights, Illinois	05536235	23.1	28
North Creek near Lansing, Illinois	05536270	16.8	28
Butterfield Creek at Flossmoor, Illinois	05536255	23.5	28
Thorn Creek at Thornton, Illinois	05536275	104	28
Thorn Creek at Glenwood, Illinois	05536215	24.7	27
Long Run near Lemont, Illinois	05537500	20.9	25
Tinley Creek near Palos Park, Illinois	05536500	11.2	25
McDonald Creek near Mount Prospect, Illinois	05529500	7.93	24

The results of the hydrologic analyses were submitted to the Illinois State Water Survey (SWS) for review. The 100-year flood discharges computed for the 60 streams studied in detail in the unincorporated areas of Cook County were approved by the SWS and were certified by the DOWR.

A summary of the drainage area-peak discharge relationships for the streams studied by detailed methods is shown in Table 2, "Summary of Discharges."

The 100- and 500-year discharges along Tributary A of Buffalo Creek were adjusted to include interbasin spillage from the Salt Creek watershed. This spillage does not occur during the 10- and 50-year floods. Therefore, on the upstream reach of Tributary A of Buffalo Creek, the 10- and 50-year floods are insignificant.

3.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of the flooding sources studied in detail were carried out to provide estimates of the elevations of floods of the selected recurrence intervals along each of these flooding sources.

The water-surface elevations for the streams studied in detail were computed using either the SCS WSP-2 step-backwater computer program or the COE HEC-2 step-backwater computer program (References 5 and 6). Starting water-surface elevations for the streams studied in detail were determined using corresponding flood elevations on the main stem, using flood profiles from previous studies by the State of Illinois and the SCS, by normal depth computations, and by rating curves. Backwater effects at confluences with larger stream systems are reflected on the Flood Profiles (Exhibit 1).

The type of hydraulic model used and the specific method of determining the starting water-surface elevation for each stream studied in detail is shown in Table 3, "Hydraulic Models."

Cross-section data for the streams studied in detail were obtained by field measurement. All bridges and culverts were surveyed to obtain structural geometry and elevation data.

Roughness coefficients (Manning's "n") for the hydraulic computations were assigned on the basis of field inspection, analyses of photographs, and sound engineering judgment. The ranges of "n"

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
WEST FORK OF NORTH BRANCH CHICAGO RIVER					
3,600 feet downstream of Willow Road	19.6	1,470	1,970	2,131	2,660
TRIBUTARY A OF WEST FORK OF NORTH BRANCH CHICAGO RIVER					
Approximately 1000 feet above confluence with West Fork of North Branch Chicago River	1.5	153	225	247	321
At Chicago and Northwestern Railroad crossing	1.4	150	220	240	310
MIDDLE FORK OF NORTH BRANCH CHICAGO RIVER					
At Sunset Drive	23.2	755	1,017	1,107	1,297
At Interstate 94	19.2	810	1,005	1,095	1,285
SALT CREEK					
At State Route 53	16.1	817	1,253	1,448	1,978
At Plum Grove Road	10.2	522	792	913	1,225
At Illinois Avenue	6.8	390	602	711	961
At Roselle Road	2.8	160	245	312	601
At Ela Road	1.5	78	110	165	432
At Williams Road	0.9	46	55	105	341
TRIBUTARY B OF SALT CREEK					
At Palatine Road	0.7	140	260	340	530

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
TRIBUTARY C OF SALT CREEK					
At confluence with Salt Creek	2.2	204	325	382	540
At Quentin Road	2.1	200	315	370	530
ARLINGTON HEIGHTS BRANCH OF SALT CREEK					
At Staples Road	3.7	240	375	425	567
Upstream of Dundee Road	2.2	147	223	264	366
WEST BRANCH OF SALT CREEK					
At State Route 53	11.6	939	1,440	1,656	2,250
At Meacham Road	11.2	910	1,380	1,607	2,170
At Higgins Road	4.9	450	700	812	1,110
At Golf Road	1.8	157	237	277	379
At Northwest Tollway	1.2	104	157	184	250
At Roselle Road	0.6	53	75	90	122
TRIBUTARY D OF WEST BRANCH OF SALT CREEK					
Approximately 1,600 feet upstream of confluence with West Branch of Salt Creek	1.9	210	330	395	550
Downstream of Plum Grove Road	0.6	130	200	240	330
WHEELING DRAINAGE DITCH					
At Milwaukee Avenue	27.0	1,210	1,970	2,350	3,340

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
TRIBUTARY A OF BUFFALO CREEK					
At confluence with Buffalo Creek	7.6	370	580	690	940
At State Route 53	4.3	225	360	425	585
At Rand Road	3.2	175	275	320	450
At State Route 68	0.4	45	100	140	240
At Staples Road	0.1	0	0	40	110
McDONALD CREEK					
At confluence with Des Plaines River	8.0	535	800	913	1,240
At Camp McDonald Road	6.6	487	720	834	1,110
800 feet upstream of Camp McDonald Road	6.0	464	690	799	1,070
TRIBUTARY B OF McDONALD CREEK					
At Wheeling Road	0.5	100	175	219	335
PRAIRIE CREEK					
At Kennedy Drive	1.8	300	455	540	680
HIGGINS CREEK					
Upstream of Wille Road	3.0	450	755	975	1,365
Upstream of Oakton Street	2.7	415	725	935	1,300
TRIBUTARY A OF HIGGINS CREEK					
At Confluence with Higgins Creek	2.8	295	407	452	548
Above Confluence of Tributary B of Higgins Creek	1.8	224	310	344	418

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
SILVER CREEK					
At Armitage Avenue	9.1	351	620	768	1,145
At Grand Avenue	7.4	303	545	669	1,015
FLAG CREEK					
Approximately 700 feet upstream of confluence with Des Plaines River	18.1	1,660	2,650	3,180	4,500
At 83rd Street	15.6	1,450	2,330	2,770	3,900
TRIBUTARY A OF FLAG CREEK					
At confluence with Flag Creek	0.2	120	220	300	460
TRIBUTARY B OF FLAG CREEK					
At confluence with Flag Creek	0.6	160	300	460	610
TRIBUTARY C OF FLAG CREEK					
At confluence with Flag Creek	3.0	350	500	640	880
TRIBUTARY A OF DES PLAINES RIVER					
At Brainard Avenue	1.0	120	220	290	415
POPLAR CREEK					
At Irving Park Road	36.5	918	1,445	1,700	2,363
At Golf Road, approximately 31,800 feet above confluence with Fox River	24.5	675	1,063	1,250	1,738

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
POPLAR CREEK (continued)					
At Bartlett Road	23.2	678	1,067	1,255	1,744
At Higgins Road	5.8	243	382	450	625
At Algonquin Road	3.1	166	261	307	427
At Barrington Road	1.3	108	170	200	278
At Stover Road	1.2	76	119	140	195
TRIBUTARY A OF POPLAR CREEK					
At confluence with Poplar Creek	1.5	100	160	190	270
SOUTH BRANCH OF POPLAR CREEK					
At confluence with Poplar Creek	6.6	258	406	478	664
At Sutton Road	5.9	248	391	460	639
SCHAUMBURG BRANCH OF POPLAR CREEK					
At Golf Road	2.5	151	238	280	389
THORN CREEK					
At confluence with Little Calumet River	107.7	4,404	6,450	7,586	9,900
At confluence of North Creek	103.3	4,323	6,180	7,442	9,650
Approximately 700 feet downstream of Joe Orr Road	23.4	1,230	1,957	2,360	3,200
At Sauk Trail Road	8.9	525	880	1,100	1,520
TRIBUTARY A OF THORN CREEK					
Approximately 300 feet upstream of State Street	1.0	135	250	320	470

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
DEER CREEK					
At State Street	28.2	1,195	1,784	2,079	2,775
Approximately 1,400 feet downstream of Joe Orr Road	23.2	948	1,400	1,647	2,190
At Sauk Trail Road	17.4	684	1,020	1,203	1,585
THIRD CREEK					
Approximately 2,400 feet upstream of confluence with Deer Creek	1.4	98	172	221	325
At Joe Orr Road	0.5	48	88	118	175
TRIBUTARY B OF DEER CREEK					
Approximately 1,800 feet upstream of confluence with Deer Creek	2.9	350	600	776	1,100
At Cottage Grove Avenue	2.3	300	520	675	970
BUTTERFIELD CREEK					
Approximately 600 feet upstream of confluence with Thorn Creek	25.6	1,480	2,180	2,571	3,370
Approximately 700 feet downstream of Brookwood Drive	21.2	1,223	1,805	2,117	2,760
At 205th Street	8.9	434	610	700	893

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
NORTH CREEK					
Approximately 1,200 feet downstream of Volbrecht Road	18.4	735	1,092	1,276	1,700
At Wentworth Avenue	0.3	28	44	51	62
LANSING DITCH					
At 189th Street	14.0	575	914	1,123	1,580
TRIBUTARY A OF LANSING DITCH					
At confluence with Lansing Ditch	0.8	110	195	262	380
PLUM CREEK					
At Indiana-Illinois state line	36.2	1,619	2,226	2,698	3,507
Approximately 1,200 feet downstream of Steger Road	34.8	1,565	2,152	2,609	3,392
MIDLOTHIAN CREEK					
At Waverly Road	14.8	258	755	1,183	1,590
TRIBUTARY A OF ILLINOIS AND MICHIGAN CANAL					
At confluence with Illinois and Michigan Canal	0.9	300	530	700	1,000
At upstream limit of detailed study	0.1	100	190	260	380

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
TRIBUTARY B OF ILLINOIS AND MICHIGAN CANAL					
At confluence with Illinois and Michigan Canal	2.5	530	920	1,170	1,700
At Walker Road (upstream limit of detailed study)	0.6	110	210	270	420
TRIBUTARY BA OF ILLINOIS AND MICHIGAN CANAL					
Approximately 1,600 feet upstream of confluence with Illinois and Michigan Canal	1.6	350	600	770	1,150
TRIBUTARY A OF CALUMET SAG CHANNEL					
At State Route 83	1.8	230	365	425	595
TRIBUTARY AA OF CALUMET SAG CHANNEL					
At confluence with Tributary A of Calumet Sag Channel	0.3	70	120	170	270
TRIBUTARY A OF MILL CREEK					
At State Route 45	1.6	196	310	365	510
At 104th Avenue	0.5	110	200	260	390
TRIBUTARY B OF CALUMET SAG CHANNEL					
At confluence with Calumet Sag Channel	0.9	340	530	610	830

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
TINLEY CREEK					
At private road approximately 1,200 feet upstream of Central Avenue	13.6	873	1,348	1,547	2,102
TRIBUTARY C OF CALUMET SAG CHANNEL					
At Linder Avenue	0.5	80	140	190	290
LONG RUN					
At State Street	20.8	1,460	2,300	2,670	3,500
At Will Cook Road	3.3	260	440	560	820
Approximately 2,500 feet Upstream of 143rd Street	1.9	210	270	470	720
TRIBUTARY A OF LONG RUN					
At Wolf Road	0.5	110	210	280	450
Downstream of 143rd Street	0.4	110	210	280	450
TRIBUTARY B OF LONG RUN					
Approximately 1,500 feet upstream of confluence with Long Run	3.0	370	620	790	1,150
Approximately 2,500 feet Downstream of 131st Street	2.3	300	500	650	970
TRIBUTARY BA OF LONG RUN					
At 131st Street	0.2	100	190	260	410

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
TRIBUTARY C OF LONG RUN					
Approximately 1,250 feet upstream of confluence with Long Run	0.4	160	290	380	610
MARLEY CREEK					
At 179th Street	8.3	530	830	976	1,370
At 108th Avenue	2.8	475	750	880	1,230
TRIBUTARY A OF MARLEY CREEK					
At confluence with Marley Creek	0.4	192	346	430	660
At Wolf Road	0.1	77	146	182	290
TRIBUTARY B OF MARLEY CREEK					
At confluence with Marley Creek	0.2	120	225	280	435
At U. S. Route 6	0.2	120	225	280	435
TRIBUTARY C OF MARLEY CREEK					
At Wolf Road	1.4	550	870	1,028	1,430
TRIBUTARY D OF MARLEY CREEK					
At 104th Avenue	1.3	234	370	435	610
SPRING CREEK					
At 118th Avenue	2.8	370	590	685	960
At Wolf Road	0.8	220	390	470	630

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
HICKORY CREEK					
At Harlem Avenue	3.1	550	860	1,014	1,400
At Sauk Trail Road	1.0	390	620	720	1,010
TRIBUTARY A OF HICKORY CREEK					
Downstream of Harlem Avenue	6.6	670	1,070	1,250	1,670
FLOSSMOOR DITCH					
At Harlem Avenue	4.0	257	441	571	840
TRIBUTARY A OF FLOSSMOOR DITCH					
At Vollmer Road	0.8	116	209	277	400

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

SUMMARY OF DISCHARGES

FLOODING SOURCE	TYPE OF BACKWATER MODEL	STARTING WATER-SURFACE ELEVATIONS
West Fork of North Branch Chicago River	WSP-2	Corresponding flood elevations on Main Stem
Tributary A of West Fork of North Branch Chicago River	WSP-2	Corresponding flood elevations on West Fork
Middle Fork of North Branch Chicago River	WSP-2	Rating curve at Touhy Avenue gage
Salt Creek	WSP-2	State of Illinois and SCS profiles
Tributary B of Salt Creek	WSP-2	Corresponding flood elevations on Salt Creek
Tributary C of Salt Creek	WSP-2	Corresponding flood elevations on Salt Creek
Arlington Heights Branch of Salt Creek	WSP-2	Corresponding flood elevations on Salt Creek
West Branch of Salt Creek	WSP-2	State of Illinois and SCS profiles
Tributary D of West Branch of Salt Creek	WSP-2	Corresponding flood elevations on West Branch of Salt Creek
Wheeling Drainage Ditch	WSP-2	SCS - Wheeling FIA profiles
Tributary A of Buffalo Creek	WSP-2	Corresponding flood elevations on Wheeling Ditch
McDonald Creek	WSP-2	Corresponding flood elevations on the Des Plaines River
Tributary B of McDonald Creek	WSP-2	Corresponding flood elevations on McDonald Creek
Prairie Creek	WSP-2	USGS profiles for downstream portion
Higgins Creek	WSP-2	Rating curve based on SCS profiles
Tributary A of Higgins Creek	WSP-2	Corresponding flood elevations on Willow Creek
Silver Creek	WSP-2	Rating curves based on SCS profiles

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

HYDRAULIC MODELS

FLOODING SOURCE	TYPE OF BACKWATER MODEL	STARTING WATER-SURFACE ELEVATIONS
Flag Creek	WSP-2	10-year flood elevation on Des Plaines River
Tributary A of Flag Creek	WSP-2	Corresponding flood elevations on Flag Creek
Tributary B of Flag Creek	WSP-2	Corresponding flood elevations on Flag Creek
Tributary C of Flag Creek	WSP-2	Corresponding flood elevations on Flag Creek
Tributary A of Des Plaines River	WSP-2	Discharge rating at outlet culvert
Poplar Creek	HEC-2	Fox River elevation by Illinois State Water Survey
Tributary A of Poplar Creek	HEC-2	Corresponding flood elevations on Poplar Creek
South Branch of Poplar Creek	HEC-2	Corresponding flood elevations on Poplar Creek
Schaumburg Branch of Poplar Creek	HEC-2	Corresponding flood elevations on Poplar Creek
Thorn Creek	WSP-2	Corresponding flood elevations on Little Calumet River
Tributary A of Thorn Creek	WSP-2	Corresponding flood elevations on Thorn Creek
Deer Creek	WSP-2	Corresponding flood elevations on Thorn Creek
Third Creek	WSP-2	Corresponding flood elevations on Deer Creek
Tributary B of Deer Creek	WSP-2	Corresponding flood elevations on Deer Creek

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

HYDRAULIC MODELS

FLOODING SOURCE	TYPE OF BACKWATER MODEL	STARTING WATER-SURFACE ELEVATIONS
Butterfield Creek	WSP-2	Corresponding flood elevations on Thorn Creek
North Creek	WSP-2	Corresponding flood elevations on Thorn Creek
Lansing Ditch	WSP-2	Corresponding flood elevations on Thorn Creek
Tributary A of Lansing Ditch	WSP-2	Corresponding flood elevations on Lansing Ditch
Plum Creek	WSP-2	Rating table from previous studies by SCS
Midlothian Creek	WSP-2	Rating curves based on SCS profiles
Tributary A of Illinois and Michigan Canal	WSP-2	Discharge rating at outlet culvert
Tributary B of Illinois and Michigan Canal	WSP-2	Discharge rating at outlet culvert
Tributary BA of Illinois and Michigan Canal	WSP-2	Corresponding flood elevations on Illinois and Michigan Tributary B
Tributary A of Calumet Sag Channel	WSP-2	Corresponding flood elevations on Calumet Sag Channel
Tributary AA of Calumet Sag Channel	WSP-2	Corresponding flood elevations on Calumet Sag Tributary A
Tributary A of Mill Creek	WSP-2	Normal depth at 1,400 feet downstream from Illinois Highway 45
Tributary B of Calumet Sag Channel	WSP-2	Corresponding flood elevations on Calumet Sag Channel
Tinley Creek	WSP-2	Rating tables from previous studies by SCS

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

HYDRAULIC MODELS

FLOODING SOURCE	TYPE OF BACKWATER MODEL	STARTING WATER-SURFACE ELEVATIONS
Tributary C of Calumet Sag Channel	WSP-2	Rating curve for culvert at downstream end of study reach
Long Run	WSP-2	Rating curve at USGS gage 360 feet downstream from Will County/Cook County line[1]
Tributary A of Long Run	WSP-2	Corresponding flood elevations on Long Run
Tributary B of Long Run	WSP-2	Corresponding flood elevations on Long Run
Tributary BA of Long Run	WSP-2	Corresponding flood elevations on Tributary B of Long Run
Tributary C of Long Run	WSP-2	Corresponding flood elevations on Long Run
Marley Creek	WSP-2	Normal depth 5,030 feet downstream from Will County/Cook County line
Tributary A of Marley Creek	WSP-2	Corresponding flood elevations on Marley Creek
Tributary B of Marley Creek	WSP-2	Corresponding flood elevations on Marley Creek
Tributary C of Marley Creek	WSP-2	Corresponding flood elevations on Marley Creek
Tributary D of Marley Creek	WSP-2	Corresponding flood elevations on Marley Creek

[1] The starting water-surface elevations for the western portion of Long Run were selected so that the water-surface elevations at the downstream side of State Street would match the stage-discharge relationship for USGS Gage No. 05537500, Long Run near Lemont, Illinois.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

HYDRAULIC MODELS

FLOODING SOURCE	TYPE OF BACKWATER MODEL	STARTING WATER-SURFACE ELEVATIONS
Spring Creek	WSP-2	Normal depth 4,800 feet downstream from Will County/Cook County line
Hickory Creek	WSP-2	Normal depth 3,350 feet downstream from Will County/Cook County line
Tributary A of Hickory Creek	WSP-2	Corresponding flood elevations on Hickory Creek
Flossmoor Ditch	WSP-2	Normal depth 2,600 feet downstream from Will County/Cook County line
Tributary A of Flossmoor Ditch	WSP-2	Corresponding flood elevations on Flossmoor Ditch

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

HYDRAULIC MODELS

values for the channels and overbanks of the 60 streams studied in detail in the county are shown in Table 4, "Roughness Coefficients (Manning's "n")."

Flood profiles were drawn showing computed water-surface elevations to an accuracy of 0.5 foot for floods of the selected recurrence intervals. Locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway is computed (Section 4.2), selected cross-section locations are also shown on the Flood Boundary and Floodway Map (Exhibit 3).

The approximate flood elevations for Skokie Ditch and Tributary DA of West Branch of Salt Creek were determined by normal depth computations and by using the corresponding elevation on Tributary D of West Branch of Salt Creek, respectively.

All elevations used in this study are referenced to the National Geodetic Vertical Datum of 1929 (NGVD), formerly referred to as Sea Level Datum of 1929. Locations of the elevation reference marks used in the study are shown on the maps.

The hydraulic analyses for this study are based on the effects of unobstructed flow. The flood elevations shown on the profiles are valid only if hydraulic structures remain unobstructed, and dams and other flood control structures operate properly and do not fail.

4.0 FLOOD PLAIN MANAGEMENT APPLICATIONS

A prime purpose of the National Flood Insurance Program is to encourage state and local governments to adopt sound flood plain management programs. Each Flood Insurance Study, therefore, includes a flood boundary map designed to assist communities in developing sound flood plain management measures.

4.1 Flood Boundaries

In order to provide a national standard without regional discrimination, the 100-year flood has been adopted by the FIA as the base flood for purposes of flood plain management measures. The 500-year flood is employed to indicate additional areas of flood risk in the community. For each stream studied in detail, the boundaries of the 100- and 500-year floods have been delineated using the flood elevations determined at each cross section; between cross sections, the

FLOODING SOURCE	CHANNEL	OVERBANK
West Fork of North Branch Chicago River	.041-.049	.048-.072
Tributary A of West Fork North Branch Chicago River	.040	.045-.100
Middle Fork of North Branch Chicago River	.044-.052	.048-.072
Salt Creek	.030-.065	.055-.085
Tributary B of Salt Creek	.038-.045	.040-.055
Tributary C of Salt Creek	.035	.035-.050
Arlington Heights Branch of Salt Creek	.040-.060	.035-.075
West Branch of Salt Creek	.040-.060	.035-.075
Tributary D of West Branch of Salt Creek	.025-.030	.030-.040
Wheeling Drainage Ditch	.056-.060	.070-.080
Tributary A of Buffalo Creek	.025-.065	.030-.075
McDonald Creek	.040-.070	.032-.150
Tributary B of McDonald Creek	.050-.055	.070-.080
Prairie Creek	.040-.055	.035-.048
Higgins Creek	.030-.065	.032-.060
Tributary A of Higgins Creek	.035-.048	.035-.040
Silver Creek	.030-.045	.030-.070
Flag Creek	.035-.070	.060-.084
Tributary A of Flag Creek	.040	.035-.050
Tributary B of Flag Creek	.035-.068	.032-.075
Tributary C of Flag Creek	.055	.070
Tributary A of Des Plaines River	.020-.030	.030
Poplar Creek	.030-.050	.060-.080
Tributary A of Poplar Creek	.040	.060
South Branch of Poplar Creek	.040	.070-.080
Schaumburg Branch of Poplar Creek	.040	.070
Thorn Creek	.046-.069	.055-.085
Tributary A of Thorn Creek	.045-.065	.030-.060

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

ROUGHNESS COEFFICIENTS (MANNING'S "N")

FLOODING SOURCE	CHANNEL	OVERBANK
Deer Creek	.045-.065	.050-.085
Third Creek	.047-.070	.045-.060
Tributary B of Deer Creek	.050-.055	.045-.070
Butterfield Creek	.045-.065	.060-.080
North Creek	.055-.069	.060-.080
Lansing Ditch	.040-.055	.055-.070
Tributary A of Lansing Ditch	.055	.060-.065
Plum Creek	.060	.073-.075
Midlothian Creek	.055-.065	.065-.088
Tributary A of Illinois and Michigan Canal	.035-.042	.035-.075
Tributary B of Illinois and Michigan Canal	.035-.050	.035-.075
Tributary BA of Illinois and Michigan Canal	.035-.050	.035-.060
Tributary A of Calumet Sag Channel	.045-.055	.050-.085
Tributary AA of Calumet Sag Channel	.045	.055
Tributary A of Mill Creek	.040-.048	.035-.070
Tributary B of Calumet Sag Channel	.045-.055	.050-.075
Tinley Creek	.045-.084	.070-.120
Tributary C of Calumet Sag Channel	.030-.055	.032-.080
Long Run	.035-.048	.035-.065
Tributary A of Long Run	.032-.035	.035-.040
Tributary B of Long Run	.032-.050	.035-.065
Tributary BA of Long Run	.040-.055	.032-.065
Tributary C of Long Run	.040-.075	.050-.100
Marley Creek	.032-.050	.030-.060
Tributary A of Marley Creek	.032-.050	.032-.065
Tributary B of Marley Creek	.030-.060	.030-.045
Tributary C of Marley Creek	.040	.035-.050

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

ROUGHNESS COEFFICIENTS (MANNING'S "N")

FLOODING SOURCE	CHANNEL	OVERBANK
Tributary D of Marley Creek	.035-.040	.030-.035
Spring Creek	.030-.040	.035-.080
Hickory Creek	.038-.042	.045-.050
Tributary A of Hickory Creek	.042	.040-.045
Flossmoor Ditch	.040	.075
Tributary A of Flossmoor Ditch	.030-.040	.035-.075

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

ROUGHNESS COEFFICIENTS (MANNING'S "N")

boundaries were interpolated using topographic maps at a scale of 1:4,800 and 1:24,000 with a contour interval of 2 feet and 10 feet, respectively (References 7 and 8). In cases where the 100- and 500-year flood boundaries are close together, only the 100-year boundary has been shown.

It was determined that certain bridges crossing streams studied by detailed methods would not be included in the backwater analyses due to the minimal effects they would have on flood elevations. In these instances the bridges are shown on the maps, and the location is noted on the profile, but no bridge elevations are given.

Flood boundaries for areas studied by approximate methods were delineated using the Cook County Flood Hazard Boundary Map, USGS Flood Prone Area Maps, and Regulatory Flood Plain Maps (References 9, 10, and 11).

The boundaries of the 100- and 500-year floods are shown on the Flood Boundary and Floodway Map (Exhibit 3). Small areas within the flood boundaries may lie above the flood elevations and, therefore, may not be subject to flooding. Owing to limitations of the map scale and lack of detailed topographic data, such areas are not shown.

4.2 Floodways

Encroachment on flood plains, such as artificial fill, reduces the flood-carrying capacity, increases the flood heights of streams, and increases flood hazards in areas beyond the encroachment itself. One aspect of flood plain management involves balancing the economic gain from flood plain development against the resulting increase in flood hazard. For purposes of the Flood Insurance Program, the concept of a floodway is used as a tool to assist local communities in this aspect of flood plain management. Under this concept, the area of the 100-year flood is divided into a floodway and a floodway fringe. The floodway is the channel of a stream plus any adjacent flood plain areas that must be kept free of encroachment in order that the 100-year flood can be carried without substantial increases in flood heights. Minimum standards of the FIA limit such increases in flood heights to 1.0 foot, provided that hazardous velocities are not produced. However, the State of Illinois has established criteria limiting the increase in flood heights to 0.1 foot. Thus, floodways having no more than a 0.1-foot surcharge have been delineated for this study. The floodways in this report are presented to local agencies as minimum standards that can be adopted or that can be used as a basis for additional studies.

The floodways presented in this study were computed on the basis of equal conveyance reduction from each side of the flood plains. The results of these computations are tabulated at selected cross sections for each stream segment for which a floodway is computed (Table 5).

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
West Fork of North Branch Chicago River								
A-B		AREA NOT	INCLUDED	- VILLAGE OF GLENVIEW				
C	128,100[1]	319	1,047	1.79	632.6	632.6	632.7	0.1
D	132,800[1]	100	4,896	0.38	638.7	638.7	638.7	0.0
E	132,900[1]	825	5,387	0.35	638.7	638.7	638.8	0.1
Tributary A of West Fork of North Branch Chicago River								
A	1,000[2]	1,504	3,665	0.07	634.4	634.0[3]	634.1	0.1
B	1,900[2]	324	435	0.55	634.8	634.1[3]	634.2	0.1
C	2,200[2]	270	238	1.00	638.7	637.8[3]	637.8	0.0
D	2,500[2]	270	329	0.73	638.8	637.9[3]	638.0	0.1
E	3,050[2]	310	903	0.37	639.0	639.0	639.0	0.0
F	3,160[2]	455	788	0.42	639.1	639.1	639.2	0.1

[1]Feet above Touhy Avenue (Niles, Illinois)
[2]Feet above mouth
[3]Elevations computed without consideration of backwater effects from West Fork of North Branch Chicago River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEST FORK OF NORTH BRANCH CHICAGO RIVER AND TRIBUTARY A OF WEST FORK OF NORTH BRANCH CHICAGO RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Middle Fork of North Branch Chicago River								
A	133,260[1]	161	486	2.28	634.2	634.2	634.3	0.1
B		AREA NOT INCLUDED - VILLAGE OF NORTHBROOK						
Salt Creek								
A-P		AREA NOT INCLUDED - CITY OF ROLLING MEADOWS						
Q	192,915[2]	230	1,050	1.38	705.5	705.5	705.5	0.0
R	193,400[2]	360	932	1.55	706.0	706.0	706.1	0.1
S	193,910[2]	415	1,035	1.39	706.4	706.4	706.5	0.1
T	195,460[2]	345	714	1.99	709.8	709.8	709.9	0.1
U	195,760[2]	250	920	1.54	711.9	711.9	711.9	0.0
V	195,840[2]	300	786	1.81	712.0	712.0	712.1	0.1
W	198,290[2]	510	976	1.43	714.8	714.8	714.9	0.1
X	198,340[2]	480	1,254	1.11	715.1	715.1	715.1	0.0
Y	198,390[2]	550	1,111	1.25	715.1	715.1	715.2	0.1
Z	199,850[2]	180[3]	1,676	0.82	715.3	715.3	715.4	0.1
AA	204,650[2]	475	456	2.00	725.6	725.6	725.7	0.1
AB	204,750[2]	290	698	1.31	726.1	726.1	726.1	0.0
AC	204,820[2]	290	593	1.54	726.2	726.2	726.3	0.1

[1] Feet above Touhy Avenue (Niles, Illinois)
[2] Feet above mouth
[3] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

MIDDLE FORK OF NORTH BRANCH CHICAGO RIVER AND SALT CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Salt Creek (continued)								
AD		AREA NOT	INCLUDED	- CITY	OF ROLLING MEADOWS			
AE	208,880	760	2,318	0.32	727.4	727.4	727.5	0.1
AF	211,980	350	1,749	0.41	727.7	727.7	727.7	0.0
AG	212,065	250[2]	1,999	0.36	727.7	727.7	727.8	0.1
AH	212,130	230[2]	1,820	0.39	727.8	727.8	727.9	0.1
AI-BF		AREA NOT	INCLUDED	- VILLAGE	OF PALATINE			
BG	223,115	378	1,699	0.34	754.4	754.4	754.5	0.1
BH	226,235	194[2]	381	1.48	762.2	762.2	762.3	0.1
BI	226,565	320	300	1.04	763.6	763.6	763.6	0.0
BJ-BO		AREA NOT	INCLUDED	- VILLAGE	OF INVERNESS			
BP	231,680	100	239	0.69	803.4	803.4	803.4	0.0
BQ	231,840	68	208	0.79	803.4	803.4	803.5	0.1
BR	233,830	15	36	3.79	811.5	811.5	811.6	0.1
BS	234,080	55	143	0.74	814.2	814.2	814.2	0.0
BT	235,580	170	57	1.85	826.4	826.4	826.4	0.0
BU	235,700	510	3,597	0.03	832.5	832.5	832.6	0.1

[1]Feet above mouth

[2]This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

SALT CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary B of Salt Creek								
A	2,200	23	54	6.76	812.2	812.2	812.3	0.1
B	2,325	140	1,641	0.21	819.4	819.4	819.4	0.0
C	3,390	435	3,969	0.09	819.4	819.4	819.4	0.0
Tributary C of Salt Creek								
A		AREA NOT INCLUDED		- CITY OF	ROLLING	MEADOWS		
B	2,465	100	921	0.40	735.6	735.6	735.6	0.0
C	2,575	481[2]	890	0.42	735.6	735.6	735.7	0.1
Arlington Heights Branch of Salt Creek								
A-C		AREA NOT INCLUDED		-	VILLAGE OF PALATINE			
D	39,600	100	176	1.27	759.1	759.1	759.2	0.1
E	39,900	81	81	3.25	760.0	760.0	760.1	0.1
F	40,720	40	82	3.21	763.2	763.2	763.3	0.1

[1] Feet above mouth
[2] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY B OF SALT CREEK, TRIBUTARY C OF SALT CREEK AND ARLINGTON HEIGHTS BRANCH OF SALT CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
West Branch of Salt Creek								
A	7,680	94	603	2.75	698.2	698.2	698.3	0.1
B	10,325	94	562	2.95	700.7	700.7	700.8	0.1
C	13,050	94	549	3.01	703.4	703.4	703.5	0.1
D-F		AREA NOT INCLUDED		- VILLAGE OF SCHAUMBURG				
G		AREA NOT INCLUDED		- VILLAGE OF ELK GROVE VILLAGE				
H-M		AREA NOT INCLUDED		- VILLAGE OF SCHAUMBURG				
N	26,310	350	686	1.18	725.0	725.0	725.0	0.0
O	26,395	430	605	1.34	725.8	725.8	725.9	0.1
P-AJ		AREA NOT INCLUDED		- VILLAGE OF SCHAUMBURG				
AK	40,380	154	155	0.76	739.6	739.6	739.7	0.1
AL		AREA NOT INCLUDED		- VILLAGE OF SCHAUMBURG				
Tributary D of West Branch of Salt Creek								
A-B		AREA NOT INCLUDED		- VILLAGE OF ELK GROVE VILLAGE				
C	7,170	123[2]	134	1.6	732.0	732.0	732.1	0.1
Wheeling Drainage Ditch								
A	540	481	1,376	1.68	638.7	638.7	638.8	0.1

[1] Feet above mouth

[2] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

WEST BRANCH OF SALT CREEK, TRIBUTARY D OF WEST BRANCH OF SALT CREEK AND WHEELING DRAINAGE DITCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Wheeling Drainage Ditch (continued								
B	4,940	780	2,391	0.91	640.7	640.7	640.8	0.1
Tributary A of Buffalo Creek								
A-B		AREA NOT	INCLUDED	- VILLAGE OF ARLINGTON HEIGHTS				
C	5,130	40	560	0.95	709.2	709.2	709.2	0.0
D	5,900	54	163	3.12	710.4	710.4	710.5	0.1
E	5,980	60	1,249	0.41	712.2	712.2	712.2	0.0
F	8,100	280	1,464	0.30	712.6	712.6	712.6	0.0
G-H		AREA NOT	INCLUDED	- VILLAGE OF ARLINGTON HEIGHTS				
I	9,250	70	86	5.12	714.5	714.5	714.5	0.0
J	9,300	40	96	4.43	714.8	714.8	714.8	0.0
K	10,025	136	167	0.50	714.9	714.9	714.9	0.0
L	10,125	30	63	6.75	716.0	716.0	716.0	0.0
M	11,100	30	63	6.59	716.7	716.7	716.7	0.0
N	11,390	90	63	6.59	717.7	717.7	717.7	0.0
O	11,490	329	397	1.04	717.8	717.8	717.9	0.1
P	12,670	161	137	2.85	720.4	720.4	720.5	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

WHEELING DRAINAGE DITCH AND TRIBUTARY A OF BUFFALO CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Buffalo Creek (continued)								
Q	12,720	200	540	0.72	720.5	720.5	720.5	0.0
R	13,060	290	332	1.17	721.1	721.1	721.1	0.0
S	13,150	279	450	0.87	721.6	721.6	721.7	0.1
T	14,070	209	239	1.34	723.0	723.0	723.1	0.1
U	14,200	200	307	1.04	723.2	723.2	723.2	0.0
V	14,700	44	82	3.92	724.8	724.8	724.9	0.1
W	14,890	30	53	6.03	725.9	725.9	725.9	0.0
X	15,000	20	79	3.68	727.0	727.0	727.0	0.0
Y	15,410	38	82	3.56	730.1	730.1	730.2	0.1
Z	15,510	90	283	1.02	731.6	731.6	731.6	0.0
AA	18,490	270	195	1.36	740.0	740.0	740.0	0.0
AB	18,600	72	154	1.72	740.1	740.1	740.2	0.1
AC	20,640	64	111	1.26	742.3	742.3	742.4	0.1
AD	20,760	80	148	0.95	743.0	743.0	743.0	0.0
AE	21,090	60	561	0.17	744.9	744.9	744.9	0.0
AF	21,190	113	565	0.17	744.9	744.9	745.0	0.1
AG	22,380	90	226	0.42	744.9	744.9	745.0	0.1
AH	22,580	60	338	0.28	746.2	746.2	746.2	0.0

[1]Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF BUFFALO CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Prairie Creek (continued)								
D	1,683[1]	44	189	2.78	635.7	635.7	635.8	0.1
E	2,233[1]	65	194	2.70	636.7	636.7	636.8	0.1
F	2,283[1]	60	237	2.70	637.5	637.5	637.5	0.0
G	2,567[1]	81	208	2.52	637.5	637.5	637.6	0.1
H	3,025[1]	54	199	3.58	639.3	639.3	639.3	0.0
I	3,147[1]	51	180	2.91	639.3	639.3	639.4	0.1
J	3,247[1]	40	192	3.33	640.4	640.4	640.4	0.0
K	3,438[1]	33	188	2.79	640.4	640.4	640.4	0.0
L	3,563[1]	60	1,432	0.45	640.8	640.8	640.8	0.0
M		AREA NOT	INCLUDED	- CITY	OF PARK	RIDGE		
Higgins Creek								
A	0.64[2]	351	962	1.10	651.7	651.7	651.8	0.1
B	1.07[2]	82	439	2.20	653.6	653.6	653.7	0.1
C	2.31[2]	67[3]	196	2.60	658.8	658.8	658.9	0.1

[1] Feet above mouth
[2] Miles above confluence with Willow Creek
[3] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

PRAIRIE CREEK AND HIGGINS CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Higgins Creek								
A	350[1]	1,004	904	0.50	657.4	657.4	657.5	0.1
B	3,045[1]	65	101	3.40	664.5	664.5	664.6	0.1
C	3,355[1]	65	106	3.20	665.9	665.9	666.0	0.1
Silver Creek								
A	2.15[2]	851	2,105	0.4	635.3	635.3	635.4	0.1
B	2.56[2]	303	894	0.9	635.7	635.7	635.8	0.1
C	3.16[2]	603[3]	757	1.0	637.5	637.5	637.6	0.1
D	3.46[2]	740	1,035	0.7	639.1	639.1	639.2	0.1

[1] Feet above confluence with Higgins Creek
[2] Miles above mouth
[3] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF HIGGINS CREEK AND SILVER CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Flag Creek								
A		AREA NOT	INCLUDED	- DUPAGE COUNTY				
B	3,000	327	1,174	2.68	599.0	599.0	599.1	0.1
C	3,830	100	1,351	2.10	601.8	601.8	601.8	0.0
D	5,175	420	1,233	2.29	603.7	603.7	603.8	0.1
E	8,330	600	1,964	1.43	607.7	607.7	607.8	0.1
F		AREA NOT	INCLUDED	- VILLAGE OF	WILLOW	SPRINGS		
G	14,475	220	949	2.87	625.3	625.3	625.4	0.1
H	17,900	579	1,687	1.48	629.7	629.7	629.8	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

FLAG CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Flag Creek (continued)								
I-L		AREA NOT	INCLUDED	- VILLAGE OF	INDIAN	HEAD PARK		
M	25,280	91	805	2.86	637.6	637.6	637.7	0.1
N	27,640	78	624	3.29	639.5	639.5	639.6	0.1
O		AREA NOT	INCLUDED	- VILLAGE OF	WESTERN	SPRINGS		
Tributary A of Flag Creek								
A	525	350	134	1.12	629.1	629.1	629.2	0.1
B	1,000	110	117	1.28	632.5	632.5	632.5	0.0
C	1,390	60	45	3.32	636.6	636.6	636.6	0.0
D	1,790	17	31	4.83	639.7	639.7	639.8	0.1
E	2,460	80	219	0.69	648.4	648.4	648.4	0.0
F	2,620	74	179	0.84	648.4	648.4	648.5	0.1
G	5,275	35	7	2.15	678.6	678.6	678.6	0.0
Tributary B of Flag Creek								
A	230	324	820	0.37	626.3	626.3	626.4	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

FLAG CREEK, TRIBUTARY A OF FLAG CREEK AND TRIBUTARY B OF FLAG CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary B of Flag Creek (continued)								
B	460	52	112	2.59	626.7	626.7	626.8	0.1
C	520	50	131	3.22	628.7	628.7	628.7	0.0
D	600	79	106	2.63	628.9	628.9	629.0	0.1
E	740	210	130	3.07	630.7	630.7	630.7	0.0
F	800	210	188	2.12	633.2	633.2	633.2	0.0
G	860	150	447	0.85	634.4	634.4	634.4	0.0
H	1,140	149	437	0.60	635.0	635.0	635.1	0.1
I	2,100	131	84	2.50	642.5	642.5	642.6	0.1
J	2,150	100	329	0.85	644.0	644.0	644.0	0.0
K	2,200	50	88	2.27	645.0	645.0	645.1	0.1
L	2,420	76	96	2.60	647.4	647.4	647.4	0.0
M	2,620	84	83	2.17	648.6	648.6	648.7	0.1
N	4,740	39	45	2.46	659.7	659.7	659.8	0.1
O	4,860	110	17	1.86	662.0	662.0	662.0	0.0
P	5,270	10	15	3.51	665.2	665.2	665.3	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY B OF FLAG CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary C of Flag Creek								
A	1,200[1]	68	163	3.94	613.1	613.1	613.2	0.1
B	6,145[1]	41	127	4.37	654.8	654.8	654.9	0.1
C	6,740[1]	50	1,407	0.39	669.4	669.4	669.4	0.0
D-E		AREA NOT	INCLUDED	- VILLAGE	OF BURR	RIDGE		
Tributary A of Des Plaines River								
A	001[2]	119	221	1.30	652.9	652.9	653.0	0.1
B	006[2]	119	165	1.75	652.9	652.9	653.0	0.1
C	396[2]	78	117	2.48	653.4	653.4	653.5	0.1
D	1,922[2]	94	93	3.13	661.8	661.8	661.9	0.1
E	3,040[2]	80	130	0.72	669.5	669.5	669.5	0.0
F	3,202[2]	81	84	3.44	670.0	670.0	670.1	0.1
Poplar Creek								
A-N		AREA NOT	INCLUDED	- KANE	COUNTY			
O	5,165[1]	743	2,893	0.67	710.4	710.4	710.5	0.1

[1] Feet above mouth
[2] Feet above Brainard Avenue

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY C OF FLAG CREEK, TRIBUTARY A OF DES PLAINES RIVER AND POPLAR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Poplar Creek (continued)								
P	6,465	335	463	4.10	711.8	711.8	711.8	0.0
Q-AJ		AREA NOT	INCLUDED	- CITY	OF ELGIN			
AK	15,625	102	270	6.30	739.0	739.0	739.1	0.1
AL	17,195	140	457	3.72	744.8	744.8	744.9	0.1
AM	17,295	65	503	3.38	745.1	745.1	745.2	0.1
AN-AQ		AREA NOT	INCLUDED	- CITY	OF ELGIN			
AR	20,095	157	559	3.04	749.7	749.7	749.8	0.1
AS	21,535	80	328	5.18	752.4	752.4	752.5	0.1
AT	22,348	140	360	4.72	754.5	754.5	754.6	0.1
AU	22,448	50	362	4.70	755.0	755.0	755.1	0.1
AV	22,525	304	937	1.75	755.4	755.4	755.5	0.1
AW	23,375	186	256	4.58	756.4	756.4	756.5	0.1
AX	23,795	38	188	8.67	758.2	758.2	758.2	0.0
AY	23,880	186	665	2.45	759.6	759.6	759.6	0.0
AZ	24,480	380	1,059	1.54	760.1	760.1	760.1	0.0
BA	25,037	226	882	1.54	760.9	760.9	760.9	0.0
BB	26,537	265	934	1.46	761.6	761.6	761.6	0.0
BC	28,257	468	890	1.53	762.5	762.5	762.6	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

POPLAR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Poplar Creek (continued)								
BD	29,417	350	632	2.15	764.1	764.1	764.2	0.1
BE	31,407	269	734	1.85	766.3	766.3	766.4	0.1
BF	31,677	333	1,156	1.17	766.5	766.5	766.5	0.0
BG	31,726	48	264	4.73	766.5	766.5	766.5	0.0
BH	31,776	310	739	1.69	766.7	766.7	766.8	0.1
BI	33,466	123	381	3.28	768.3	768.3	768.4	0.1
BJ	34,826	472	1,447	0.86	769.6	769.6	769.7	0.1
BK	34,877	475	1,041	1.20	769.6	769.6	769.7	0.1
BL	34,939	543	1,870	0.67	769.7	769.7	769.8	0.1
BM	35,919	249	824	1.52	769.9	769.9	770.0	0.1
BN	35,969	27	161	7.76	769.9	769.9	770.0	0.1
BO	36,044	190	1,083	1.15	770.9	770.9	770.9	0.0
BP	37,244	517	1,660	0.75	771.2	771.2	771.2	0.0
BQ	37,684	404	1,164	1.07	771.3	771.3	771.3	0.0
BR	37,798	95	279	4.48	771.9	771.9	771.9	0.0
BS	38,118	350	1,429	0.87	772.5	772.5	772.5	0.0
BT	39,078	545	1,878	0.66	772.7	772.7	772.7	0.0
BU-CD		AREA NOT INCLUDED - VILLAGE OF HOFFMAN ESTATES						

[1]Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

POPLAR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Poplar Creek (continued)								
CE	45,006	104	391	3.21	775.9	775.9	776.0	0.1
CF-DC		AREA NOT	INCLUDED	- VILLAGE	OF	HOFFMAN	ESTATES	
DD	59,905	25	84	6.55	792.9	792.9	792.9	0.0
DE	60,505	61	199	2.76	796.1	796.1	796.2	0.1
DF-DN		AREA NOT	INCLUDED	- VILLAGE	OF	HOFFMAN	ESTATES	
DO	63,152	60	61	7.21	807.7	807.7	807.8	0.1
DP	64,562	68	147	2.99	814.2	814.2	814.3	0.1
DQ	64,612	78	170	2.59	814.3	814.3	814.4	0.1
DR	64,682	98	329	1.33	815.7	815.7	815.8	0.1
DS	66,362	26	99	4.29	818.8	818.8	818.8	0.0
DT	67,312	294	498	0.85	821.3	821.3	821.3	0.0
DU-EF		AREA NOT	INCLUDED	- VILLAGE	OF	SOUTH	BARRINGTON	
EG	76,515	213[2]	448	0.71	838.8	838.8	838.9	0.1
EH	76,565	292[2]	527	0.61	839.1	839.1	839.2	0.1
EI	76,707	678[2]	2,798	0.11	841.7	841.7	841.8	0.1
EJ	78,397	35	167	1.84	841.7	841.7	841.8	0.1
EK	78,457	6	32	9.375	841.7	841.7	841.8	0.1
EL	78,554	120	469	0.64	843.1	843.1	843.2	0.1

[1]Feet above mouth
[2]This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

POPLAR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Poplar Creek (continued)								
EM	79,414	601	2,554	0.10	843.1	843.1	843.2	0.1
EN	79,954	610	2,019	0.12	843.1	843.1	843.2	0.1
EO	80,486	28	57	3.51	843.1	843.1	843.2	0.1
EP	82,366	20	46	4.35	848.7	848.7	848.8	0.1
EQ	83,956	18	41	4.88	853.4	853.4	853.4	0.0
ER	84,006	4	24	5.83	853.8	853.8	853.8	0.0
ES	84,127	74	253	0.55	855.6	855.6	855.7	0.1
ET	85,627	36	100	1.25	855.8	855.8	855.8	0.0
EU	87,297	25	61	1.89	856.6	856.6	856.7	0.1
EV	88,717	53	93	1.13	857.8	857.8	857.9	0.1
EW	90,037	50	73	1.23	858.9	858.9	859.0	0.1
EX	91,177	112	112	0.71	860.0	860.0	860.1	0.1
EY	92,347	82	75	0.93	861.3	861.3	861.4	0.1
EZ	92,398	48	18	3.89	865.8	865.8	865.8	0.0
FA	93,649	135	354	0.20	866.2	866.2	866.3	0.1
FB	94,249	82	131	0.53	866.2	866.2	866.3	0.1

[1]Feet above mouth

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Poplar Creek								
A		AREA NOT	INCLUDED	- VILLAGE	OF	HOFFMAN	ESTATES	
B	150	47	27	3.7	794.5	794.5	794.6	0.1
C	325	48	44	2.3	795.5	795.5	795.6	0.1
D	475	11	23	8.26	796.4	796.4	796.4	0.0
E	537	38	19	5.2	797.6	797.6	797.6	0.0
F	739	20	17	6.0	802.0	802.0	802.0	0.0
G	1,049	20	31	3.3	805.2	805.2	805.2	0.0
H	1,089	12	30	6.33	806.0	806.0	806.1	0.1
I	1,238	12	34	5.59	806.7	806.7	806.8	0.1
J	1,288	19	23	4.5	806.9	806.9	806.9	0.0
K	1,698	392	438	0.2	810.5	810.5	810.6	0.1
L	2,358	29	22	4.6	810.6	810.6	810.7	0.1
M	2,808	39	54	1.9	813.0	813.0	813.1	0.1
South Branch of Poplar Creek								
A	0	460	1,271	0.38	760.0	760.0	760.0	0.0
B	460	204	355	1.35	760.1	760.1	760.1	0.0

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF POPLAR CREEK AND SOUTH BRANCH OF POPLAR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
South Branch of Poplar Creek (continued)								
C	920	233	307	1.56	761.0	761.0	761.1	0.1
D	1,380	35	97	4.93	762.7	762.7	762.8	0.1
E	2,340	22	67	7.16	770.2	770.2	770.2	0.0
F	2,440	14	66	7.23	770.9	770.9	771.0	0.1
G	2,550	23	81	5.87	771.8	771.8	771.9	0.1
H	3,690	42	139	3.30	775.3	775.3	775.3	0.0
I	5,000	27	146	3.15	776.8	776.8	776.9	0.1
J	6,550	121	244	1.88	778.2	778.2	778.2	0.0
K	7,190	723	2,628	0.18	778.3	778.3	778.4	0.1
L	7,290	21	175	2.63	778.3	778.3	778.4	0.1
M	7,400	388	1,025	0.45	778.5	778.5	778.6	0.1
N	8,230	185	358	1.26	778.6	778.6	778.7	0.1
O		AREA NOT	INCLUDED	- VILLAGE	OF	STREAMWOOD		
P	9,800	169	338	1.33	779.4	779.4	779.5	0.1
Q	10,170	453	1,474	0.26	779.5	779.5	779.6	0.1
R	10,520	462	1,067	0.37	779.6	779.6	779.6	0.0
S	10,870	37	125	3.12	779.6	779.6	779.6	0.0
T	11,220	25	95	4.11	780.1	780.1	780.2	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

SOUTH BRANCH OF POPLAR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Schaumburg Branch of Poplar Creek								
A-H		AREA NOT	INCLUDED	- VILLAGE OF	HOFFMAN	ESTATES		
I-P		AREA NOT	INCLUDED	- VILLAGE OF	SCHAUMBURG			
Q	9,492	25	69	2.90	791.8	791.8	791.8	0.0
R	9,624	25	57	3.51	792.2	792.2	792.2	0.0
S	9,924	27	82	2.44	792.7	792.7	792.7	0.0
T	11,024	880[2]	2,098	0.10	792.9	792.9	792.9	0.0
U	13,974	151[2]	218	0.69	793.0	793.0	793.0	0.0
V	14,474	114[2]	111	0.90	793.0	793.0	793.1	0.1
W-Y		AREA NOT	INCLUDED	- VILLAGE OF	HOFFMAN ESTATES			
Thorn Creek								
A		AREA NOT	INCLUDED	- VILLAGE OF	THORNTON			
B	26,350	540	3,071	2.42	606.7	606.7	606.8	0.1
C	30,620	490	3,993	1.65	608.2	608.2	608.3	0.1
D	32,800	470	1,943	3.38	610.8	610.8	610.9	0.1
E	33,000	120	2,830	2.32	612.6	612.6	612.6	0.0
F	33,030	259	2,662	2.47	612.6	612.6	612.7	0.1
G	36,230	470	3,924	1.67	613.8	613.8	613.9	0.1

[1] Feet above mouth
[2] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

SCHAUMBURG BRANCH OF POPLAR CREEK AND THORN CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Thorn Creek (continued)								
H	36,320	490	4,702	1.39	614.2	614.2	614.2	0.0
I	36,350	533	4,224	1.55	614.2	614.2	614.3	0.1
J		AREA NOT	INCLUDED	- VILLAGE OF	GLENWOOD			
K	42,470	2,000[2]	4,451	1.03	615.7	615.7	615.8	0.1
L	47,610	414	1,578	1.58	620.0	620.0	620.1	0.1
M	50,920	420	1,360	1.82	624.5	624.5	624.6	0.1
N	52,900	700	965	2.44	629.0	629.0	629.1	0.1
O-Z		AREA NOT	INCLUDED	- CITY	OF CHICAGO	HEIGHTS		
AA	73,590	420	3,453	0.32	682.0	682.0	682.1	0.1
AB	76,930	280	1,020	0.90	682.1	682.1	682.1	0.0
AC	77,010	380	1,008	1.02	683.1	683.1	683.2	0.1
AD	79,250	272	531	1.79	687.3	687.3	687.4	0.1
AE		AREA NOT	INCLUDED	- VILLAGE OF	PARK	FOREST		
Tributary A of Thorn Creek								
A	5,780	385	1,089	0.29	633.6	633.6	633.7	0.1
B	7,500	1,148	623	0.49	634.0	634.0	634.1	0.1
C	8,730	38	88	3.04	638.8	638.8	638.9	0.1

[1]Feet above mouth
[2]This width extends beyond corporate limits

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Deer Creek								
A	2,000	160	943	2.20	617.4	617.4	617.5	0.1
B	2,090	60	1,551	1.34	619.7	619.7	619.7	0.0
C	2,140	100	1,461	1.42	619.7	619.7	619.8	0.1
D	4,270	400	2,150	0.95	620.0	620.0	620.1	0.1
E	6,600	305	1,934	1.04	620.6	620.6	620.7	0.1
F	9,160	355	1,320	1.40	622.0	622.0	622.1	0.1
G	13,820	420	1,232	1.34	625.6	625.6	625.7	0.1
H		AREA NOT	INCLUDED	- VILLAGE OF EAST	CHICAGO	HEIGHTS		
I	25,780	300	545	2.39	641.7	641.7	641.8	0.1
J	29,550	120	866	1.44	647.9	647.9	648.0	0.1
K	33,560	360	570	2.11	654.5	654.5	654.6	0.1
L	35,600	320	456	2.52	658.3	658.3	658.4	0.1
M	40,200	300	803	1.37	666.9	666.9	667.0	0.1
Third Creek								
A	2,400	180	501	0.44	620.8	620.8	620.9	0.1
B	5,900	120	188	0.97	625.2	625.2	625.3	0.1
C		AREA NOT	INCLUDED	- CITY OF	CHICAGO	HEIGHTS		
D	10,300	70	1,311	0.09	629.4	629.4	629.4	0.0
E	10,480	330	1,019	0.12	629.4	629.4	629.5	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

DEER CREEK AND THIRD CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Third Creek (continued)								
F		AREA NOT	INCLUDED	- CITY	OF CHICAGO HEIGHTS			
G	12,740	160	2,550	0.02	631.8	631.8	631.8	0.0
Tributary B of Deer Creek								
A	1,780	330	521	1.47	637.5	637.5	637.6	0.1
B	3,155	860	1,434	0.52	638.5	638.5	638.6	0.1
C	3,300	240	6,208	0.12	639.2	639.2	639.2	0.0
D	8,120	299	427	1.68	647.2	647.2	647.3	0.1
E	8,220	220	799	0.90	649.4	649.4	649.4	0.0
F	13,100	103	220	3.06	664.4	664.4	664.5	0.1
G	13,220	105	2,404	0.28	669.0	669.0	669.0	0.0
H	13,850	247	770	0.38	669.0	669.0	669.1	0.1
I	14,110	300	659	0.44	669.5	669.5	669.5	0.0
J	14,270	380	1,428	0.20	669.5	669.5	669.6	0.1
Butterfield Creek								
A-D		AREA NOT	INCLUDED	- VILLAGE	OF GLENWOOD			
E-I		AREA NOT	INCLUDED	- VILLAGE	OF HOMEWOOD			

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

THIRD CREEK, TRIBUTARY B OF DEER CREEK AND BUTTERFIELD CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Butterfield Creek (continued)								
J	9,560	180	1,024	2.29	630.2	630.2	630.3	0.1
K	11,330	300[2]	1,234	1.91	632.5	632.5	632.6	0.1
L-M		AREA NOT	INCLUDED	- VILLAGE OF	FLOSSMOOR			
N	20,530	668	1,488	1.46	646.5	646.5	646.6	0.1
O-Q		AREA NOT	INCLUDED	- VILLAGE OF	FLOSSMOOR			
R	24,680	320	998	2.00	654.6	654.6	654.7	0.1
S	27,130	140	1,176	1.62	657.7	657.7	657.8	0.1
T	29,340	60	819	2.28	661.7	661.7	661.8	0.1
U	31,920	170	944	1.90	665.6	665.6	665.7	0.1
V-Y		AREA NOT	INCLUDED	- VILLAGE OF	OLYMPIA	FIELDS		
Z		AREA NOT	INCLUDED	- VILLAGE OF	MATTESON			
AA	47,900	143	382	1.83	689.4	689.4	689.5	0.1
AB	47,940	143	382	1.83	689.4	689.4	689.5	0.1
AC	50,550	206	367	1.68	691.4	691.4	691.5	0.1
AD-AE		AREA NOT	INCLUDED	- VILLAGE OF	MATTESON			
AF	62,000	1,123[2]	1,214	0.24	695.7	695.7	695.8	0.1
AG	64,760	140	162	1.36	695.9	695.9	696.0	0.1

[1] Feet above mouth
[2] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

BUTTERFIELD CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
North Creek								
A	600	510	3,154	0.44	606.9	606.6[3]	606.7	0.1
B	4,050	383	4,155	0.33	606.9	606.7[3]	606.8	0.1
C	6,860	687	6,123	0.22	606.9	606.7[3]	606.8	0.1
D	11,410	900	2,099	0.61	606.9	606.9[3]	607.0	0.1
E	14,430	559	4,215	0.30	606.9	606.9	607.0	0.1
F	20,400	331	1,377	0.92	607.4	607.4	607.5	0.1
G	22,180	350	1,308	0.93	607.8	607.8	607.9	0.1
H	25,650	110	1,082	0.92	609.3	609.3	609.3	0.0
I	25,740	358	1,045	1.12	609.3	609.3	609.4	0.1
J	29,520	135	279	2.22	612.1	612.1	612.2	0.1
K	30,870	467[2]	2,431	0.25	612.1	612.1	612.2	0.1
L	30,940	462[2]	2,180	0.28	612.2	612.2	612.3	0.1
M-O		AREA NOT INCLUDED - VILLAGE OF LANSING						
Lansing Ditch								
A-H		AREA NOT INCLUDED - STATE OF INDIANA						
I-J		AREA NOT INCLUDED - VILLAGE OF LYNWOOD						
K	23,890	410	817	0.94	627.7	627.7	627.8	0.1
L	27,890	1,400	4,138	0.17	627.8	627.8	627.9	0.1

[1]Feet above mouth
[2]This width extends beyond corporate limits
[3]Elevations computed without consideration of backwater effects from Thorn Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

NORTH CREEK AND LANSING DITCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE [1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Buffalo Creek								
AI	23,900	46	26	1.52	752.2	752.2	752.3	0.1
AJ	24,080	50	23	1.71	755.8	755.8	755.8	0.0
AK	24,220	13	19	2.48	756.6	756.6	756.7	0.1
McDonald Creek								
A	110	184	1,351	0.68	634.8	634.8	634.9	0.1
B	1,360	104	1,170	0.77	635.4	635.4	635.5	0.1
C-E		AREA NOT	INCLUDED	- VILLAGE	OF MOUNT	PROSPECT		
F		AREA NOT	INCLUDED	- VILLAGE	OF WHEELING			
G-H		AREA NOT	INCLUDED	- VILLAGE	OF WHEELING			
I		AREA NOT	INCLUDED	- VILLAGE	OF MOUNT	PROSPECT		
Tributary B of McDonald Creek								
A	1,690	97	145	2.24	649.1	649.1	649.2	0.1
Prairie Creek								
A		AREA NOT	INCLUDED	- CITY OF	DES PLAINES			
B	1,495	54	189	2.78	634.6	634.6	634.7	0.1
C	1,595	50	166	3.86	635.7	635.7	635.7	0.0

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF BUFFALO CREEK, McDONALD CREEK, TRIBUTARY B OF McDONALD CREEK AND PRAIRIE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Lansing Ditch								
A	1,380[1]	610	2,622	0.10	630.3	630.3	630.4	0.1
B	4,360[1]	474	711	0.30	630.4	630.4	630.5	0.1
Plum Creek								
A	4,593[2]	98	716	2.60	640.9	640.9	640.9	0.0
B	10,137[2]	428	1,041	1.70	644.5	644.5	644.6	0.1
Midlothian Creek								
	20,950[1]	158[3]	823	1.46	622.8	622.8	622.9	0.1
B	23,075[1]	85	701	1.70	628.7	628.7	628.8	0.1
C	23,580[1]	75	325	3.66	629.4	629.4	629.5	0.1
Tributary A of Illinois and Michigan Canal								
A-G		AREA NOT	INCLUDED	-	VILLAGE OF		LEMONT	

[1]Feet above mouth
[2]Feet above corporate limits
[3]This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF LANSING DITCH, PLUM CREEK, MIDLOTHIAN CREEK AND TRIBUTARY A OF ILLINOIS AND MICHIGAN CANAL

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Illinois and Michigan Canal (continued)								
H	2,330	50	141	4.76	604.8	604.8	604.9	0.1
I	3,640	32[2]	82	8.08	632.8	632.8	632.9	0.1
J	5,390	25	41	6.36	672.3	672.3	672.4	0.1
K	6,690	25	39	6.64	713.0	713.0	713.1	0.1
Tributary B of Illinois and Michigan Canal								
A	180	972	96,723	0.01	595.0	595.0	595.1	0.1
B	800	520	499	2.34	598.9	598.9	598.9	0.0
C	850	516	451	2.59	599.1	599.1	599.2	0.1
D	920	490	2,113	0.55	602.5	602.5	602.5	0.0
E	1,500	222	313	3.73	607.9	607.9	608.0	0.1
F	1,560	180	869	1.35	610.5	610.5	610.5	0.0
G	2,370	140	256	4.11	621.8	621.8	621.9	0.1

[1]Feet above mouth
[2]This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF ILLINOIS AND MICHIGAN CANAL AND TRIBUTARY B OF ILLINOIS AND MICHIGAN CANAL

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary B of Illinois and Michigan Canal								
H	2,630	120	170	6.18	627.5	627.5	627.5	0.0
I	2,830	96	157	6.70	631.3	631.3	631.4	0.1
J	3,150	100	310	3.39	637.6	637.6	637.6	0.0
K	3,360	92	272	3.86	637.9	637.9	638.0	0.1
L	3,610	30	224	1.96	647.9	647.9	647.9	0.0
M	3,910	40	356	1.24	653.4	653.4	653.4	0.0
N	4,260	46	89	4.97	658.1	658.1	658.2	0.1
O	4,425	19	50	8.84	663.3	663.3	663.4	0.1
P	5,035	64	99	2.73	670.1	670.1	670.2	0.1
Q	5,975	60	67	4.01	687.0	687.0	687.1	0.1
Tributary BA of Illinois and Michigan Canal								
A	1,600	38	110	7.00	658.0	658.0	658.1	0.1
B	3,540	100	472	1.63	688.0	688.0	688.0	0.0
C	3,710	250	1,923	0.40	688.1	688.1	688.2	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY B OF ILLINOIS AND MICHIGAN CANAL AND TRIBUTARY BA OF ILLINOIS AND MICHIGAN CANAL

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Calumet Sag Channel								
A	4,610	70	58	6.25	627.7	627.7	627.7	0.0
B	4,820	44	70	6.10	630.6	630.6	630.7	0.1
C	9,220	149	158	2.54	665.6	665.6	665.7	0.1
D	12,000	102	127	2.21	675.6	675.6	675.7	0.1
E	14,400	30	26	2.35	711.0	711.0	711.1	0.1
Tributary AA of Calumet Sag Channel								
A	100	34	65	2.61	667.0	667.0	667.1	0.1
B	1,150	19	23	4.28	687.0	687.0	687.1	0.1
Tributary A of Mill Creek								
A	4,180	150	1,010	0.36	674.0	674.0	674.0	0.0
B	4,240	130	622	0.59	674.0	674.0	674.1	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF CALUMET SAG CHANNEL, TRIBUTARY AA OF CALUMET SAG CHANNEL AND TRIBUTARY A OF MILL CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Mill Creek (continued)								
C	4,300	120	319	1.14	674.1	674.1	674.1	0.0
D	4,500	70	239	1.53	674.4	674.4	674.4	0.0
E	5,400	78	171	2.14	675.2	675.2	675.3	0.1
F	7,000	116	198	1.72	676.8	676.8	676.9	0.1
G	8,850	200	154	2.08	683.4	683.4	683.4	0.0
H	8,950	180	200	1.60	683.7	683.7	683.8	0.1
I	9,490	100	501	0.64	683.8	683.8	683.8	0.0
J	9,840	54	80	3.99	685.4	685.4	685.5	0.1
K	9,960	50	136	2.36	686.4	686.4	686.4	0.0
L	10,030	60	72	4.41	686.9	686.9	686.9	0.0
M	10,250	60	148	2.16	689.5	689.5	689.5	0.0
N	12,950	49	76	3.41	705.4	705.4	705.5	0.1
O	13,110	60	319	0.82	709.6	709.6	709.6	0.0
P	14,110	110	300	0.87	709.8	709.8	709.9	0.1

[1] Feet above mouth

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary B of Calumet Sag Channel								
A	220	50	149	4.08	591.5	591.5	591.6	0.1
B	1,190	24	92	6.60	600.8	600.8	600.9	0.1
C-E		AREA NOT	INCLUDED	- VILLAGE OF	PALOS PARK			
Tinley Creek								
A-C		AREA NOT	INCLUDED	- VILLAGE OF	CRESTWOOD			
D	32,780	180	530	1.43	658.0	658.0	658.1	0.1
Tributary C of Calumet Sag Channel								
A-X		AREA NOT	INCLUDED	- VILLAGE OF	MIDLOTHIAN			
Y	13,390	82	244	1.07	640.4	640.4	640.5	0.1
Z	13,600	65	295	0.64	640.7	640.7	640.7	0.0
AA	13,730	65	119	1.60	640.8	640.8	640.9	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY B OF CALUMET SAG CHANNEL, TINLEY CREEK AND TRIBUTARY C OF CALUMET SAG CHANNEL

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary C of Calumet Sag Channel (continued)								
AB	13,850	65	92	2.07	641.5	641.5	641.5	0.0
AC	13,950	46	51	3.74	642.0	642.0	642.1	0.1
AD	14,200	135	674	0.28	643.4	643.4	643.4	0.0
AE	14,300	150	485	0.39	643.4	643.4	643.5	0.1
AF	15,750	75	101	1.88	647.4	647.4	647.5	0.1
Long Run								
A	28,390	368	1,880	1.42	647.2	647.2	647.3	0.1
B	28,510	300	2,107	1.27	647.8	647.8	647.8	0.0
C	31,160	514	1,877	1.37	648.9	648.9	649.0	0.1
D	60,080	100	560	1.00	687.5	687.5	687.5	0.0
E	60,210	185	495	1.13	687.6	687.6	687.7	0.1
F	62,210	99	307	1.76	688.7	688.7	688.8	0.1
G	65,110	157	260	1.96	691.8	691.8	691.9	0.1
H	65,790	70	1,379	0.34	692.5	692.5	692.5	0.0

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY C OF CALUMET SAG CHANNEL AND LONG RUN

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Long Run (continued)								
I	66,010	70	1,243	0.38	694.1	694.1	694.2	0.1
J	67,970	62	164	2.87	697.5	697.5	697.6	0.1
Tributary A of Long Run								
A	1,250	45	94	2.97	694.3	694.3	694.4	0.1
B	1,350	45	1,148	0.24	699.0	699.0	699.0	0.0
C	3,310	500	2,698	0.10	699.0	699.0	699.0	0.0
D	3,460	350	2,440	0.11	699.0	699.0	699.0	0.0
Tributary B of Long Run								
A	1,560	400	854	0.92	649.6	649.6	649.7	0.1
B	4,010	448	389	1.67	655.9	655.9	656.0	0.1
C	4,870	180	781	0.83	663.7	663.7	663.7	0.0
D	5,320	52	157	4.14	665.6	665.6	665.7	0.1
E	5,420	100	342	1.90	667.9	667.9	667.9	0.0

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

LONG RUN, TRIBUTARY A OF LONG RUN AND TRIBUTARY B OF LONG RUN

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary B of Long Run (continued)								
F	5,860	81	199	3.27	668.8	668.8	668.9	0.1
G	6,100	80	184	3.53	671.1	671.1	671.1	0.0
H	6,200	80	328	1.98	671.5	671.5	671.5	0.0
I	6,340	87	274	2.37	671.7	671.7	671.8	0.1
J	6,540	100	291	2.23	673.5	673.5	673.5	0.0
K	8,760	130	2,234	0.26	685.8	685.8	685.8	0.0
L	9,280	206	712	0.83	685.9	685.9	686.0	0.1
M	11,640	315	292	1.27	690.2	690.2	690.3	0.1
Tributary BA of Long Run								
A	780	40	52	4.96	672.1	672.1	672.2	0.1
B	880	40	708	0.37	675.8	675.8	675.8	0.0
C	2,320	27	24	4.90	704.1	704.1	704.2	0.1

[1]Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY B OF LONG RUN AND TRIBUTARY BA OF LONG RUN

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary C of Long Run								
A	1,240	295	250	1.52	656.0	656.0	656.1	0.1
B	2,340	43	94	4.04	675.0	675.0	675.1	0.1
Marley Creek								
A	23,600	385	1,745	0.56	673.2	673.2	673.3	0.1
B	23,900	385	2,595	0.38	673.4	673.4	673.4	0.0
C	23,940	386	1,614	0.60	673.4	673.4	673.4	0.0
D	24,940	584	2,064	0.47	673.4	673.4	673.5	0.1
E	26,140	534	2,446	0.40	673.4	673.4	673.5	0.1
F	26,340	550	2,277	0.43	673.5	673.5	673.5	0.0
G	26,370	391	2,003	0.49	673.7	673.7	673.8	0.1
H	28,810	750	1,518	0.64	674.3	674.3	674.4	0.1
I	30,110	650	1,394	0.71	674.5	674.5	674.6	0.1
J	30,770	410	1,639	0.61	675.2	675.2	675.3	0.1
K	31,540	290	1,050	0.97	675.4	675.4	675.5	0.1
L	31,580	290	1,284	0.79	675.6	675.6	675.6	0.0
M	31,620	267	992	1.03	675.6	675.6	675.7	0.1
N	32,620	81	288	3.63	677.0	677.0	677.1	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY C OF LONG RUN AND MARLEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Marley Creek (continued)								
AH	38,700	34	267	3.45	686.6	686.6	686.7	0.1
AI	39,600	56[2]	311	2.83	687.5	687.5	687.6	0.1
AJ-AP		AREA NOT	INCLUDED	- VILLAGE	OF	ORLAND	PARK	
AQ	42,800	357	1,828	0.42	691.7	691.7	691.8	0.1
AR	43,700	1,976[2]	17,394	0.04	691.7	691.7	691.8	0.1
AS	43,900	2,200[2]	19,667	0.04	691.7	691.7	691.8	0.1
AT	43,980	2,537[2]	20,905	0.04	691.7	691.7	691.8	0.1
AU	44,780	2,321	20,079	0.04	691.7	691.7	691.8	0.1
AV	44,880	2,570	29,757	0.03	691.7	691.7	691.8	0.1
AW	45,000	2,900	27,454	0.03	691.7	691.7	691.8	0.1
AX	47,200	1,882[2]	15,915	0.05	691.7	691.7	691.8	0.1
AY	47,360	1,882[2]	12,676	0.06	691.7	691.7	691.8	0.1
AZ	47,520	1,882[2]	15,915	0.05	691.7	691.7	691.8	0.1

[1] Feet above mouth
[2] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

MARLEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Marley Creek (continued)								
O	33,040	1,572	8,465	0.12	678.7	678.7	678.8	0.1
P	33,320	1,564	6,782	0.16	678.7	678.7	678.8	0.1
Q	33,360	1,550	7,200	0.15	678.8	678.8	678.8	0.0
R	33,420	1,510	7,676	0.14	678.8	678.8	678.9	0.1
S	34,020	857	3,667	0.29	678.8	678.8	678.9	0.1
T	34,040	830	558	0.30	678.8	678.8	678.9	0.1
U	34,070	814	3,200	0.34	678.8	678.8	678.9	0.1
V	34,620	189	540	2.02	679.1	679.1	679.2	0.1
W	34,680	220	815	1.34	679.6	679.6	679.6	0.0
X	34,710	248	614	1.78	679.7	679.7	679.8	0.1
Y	34,920	165	487	2.24	679.9	679.9	680.0	0.1
Z	35,190	160	664	1.64	680.4	680.4	680.4	0.0
AA	35,210	159	510	2.14	680.5	680.5	680.6	0.1
AB	35,750	131	357	2.94	681.0	681.0	681.1	0.1
AC	35,970	150	1,040	0.99	684.8	684.8	684.8	0.0
AD	36,020	177	731	1.42	684.8	684.8	684.9	0.1
AE	36,320	188	786	1.30	685.0	685.0	685.1	0.1
AF	37,320	123	410	2.39	685.6	685.6	685.7	0.1
AG	38,020	138	540	1.76	686.1	686.1	686.2	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

MARLEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary A of Marley Creek								
A	890	668	533	0.78	673.8	673.8	673.9	0.1
B	3,670	18	32	5.71	708.7	708.7	708.8	0.1
C	4,000	40	504	0.36	714.7	714.7	714.7	0.0
D	4,210	47	127	1.43	714.8	714.8	714.9	0.1
E	4,990	11	12	4.07	721.9	721.9	722.0	0.1
Tributary B of Marley Creek								
A	560	300	683	0.41	677.7	677.7	677.8	0.1
B	660	100	273	1.03	677.8	677.8	677.8	0.0
C	1,060	41	58	4.81	683.0	683.0	683.1	0.1
D	3,060	212	205	1.37	702.5	702.5	702.6	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY A OF MARLEY CREEK AND TRIBUTARY B OF MARLEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary C of Marley Creek								
A	750	470	1,884	0.55	675.9	675.9	676.0	0.1
B	3,280	89	303	3.39	680.2	680.2	680.3	0.1
C	3,390	180	9,186	0.10	690.0	690.0	690.0	0.0
D	3,630	829	6,093	0.17	690.0	690.0	690.1	0.1
E	5,870	82	227	1.54	690.6	690.6	690.7	0.1
F	6,230	80	49	6.70	693.6	693.6	693.7	0.1
Tributary D of Marley Creek								
A-C		AREA NOT	INCLUDED	- VILLAGE OF	ORLAND	PARK		
D	3,040	34	126	3.44	692.8	692.8	692.9	0.1
E	3,190	160	1,637	0.26	700.2	700.2	700.2	0.0
F	3,340	230	986	0.44	700.2	700.2	700.3	0.1
G	6,370	1,042	5,908	0.07	700.2	700.2	700.3	0.1
H	9,450	62	169	1.48	702.1	702.1	702.2	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY C OF MARLEY CREEK AND TRIBUTARY D OF MARLEY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Spring Creek								
A	0	490	951	0.78	683.2	683.2	683.3	0.1
B	1,220	35	114	5.99	687.0	687.0	687.1	0.1
C	1,360	40	395	1.70	691.8	691.8	691.8	0.0
D	1,430	41	317	2.11	691.8	691.8	691.9	0.1
E	2,290	25	167	3.83	693.7	693.7	693.8	0.1
F	2,310	27	213	2.00	694.6	694.6	694.6	0.0
G	2,370	29	204	3.14	694.7	694.7	694.8	0.1
H	2,840	37	235	2.68	695.4	695.4	695.5	0.1
I	2,890	150	1,101	0.57	696.0	696.0	696.0	0.0
J	3,030	165	746	0.84	696.0	696.0	696.1	0.1
K	4,370	330	1,813	0.33	696.1	696.1	696.2	0.1
L	5,070	459	2,958	0.20	696.1	696.1	696.2	0.1
M	5,120	450	2,702	0.22	696.2	696.2	696.2	0.0
N	5,190	420	2,207	0.27	696.2	696.2	696.2	0.0
O	6,650	472	2,938	0.18	696.2	696.2	696.3	0.1
P	7,510	557	3,566	0.15	696.2	696.2	696.3	0.1
Q	8,260	820	1,805	0.29	696.2	696.2	696.3	0.1
R	8,280	860	1,512	0.34	696.2	696.2	696.3	0.1

[1]Feet above Will-Cook County line

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Spring Creek (continued)								
S	8,320[1]	910	1,401	0.37	696.2	696.2	696.3	0.1
T	9,570[1]	881	3,120	0.17	696.2	696.2	696.3	0.1
U	11,420[1]	450	1,366	0.36	696.2	696.2	696.3	0.1
V	11,590[1]	120	588	0.83	698.2	698.2	698.2	0.0
W	11,700[1]	106	447	1.10	698.2	698.2	698.3	0.1
X	12,860[1]	187	842	0.56	698.3	698.3	698.4	0.1
Y	13,030[1]	320	1,409	0.33	698.4	698.4	698.4	0.0
Z	13,590[1]	289	1,217	0.39	698.4	698.4	698.5	0.1
AA	14,040[1]	280	1,558	0.30	698.7	698.7	698.7	0.0
AB	14,620[1]	302	1,340	0.34	698.7	698.7	698.8	0.1
Hickory Creek								
A-B		AREA NOT	INCLUDED	- WILL	COUNTY			
C	110,550[2]	631	1,680	0.60	705.4	705.4	705.5	0.1
D	113,250[2]	108	348	2.92	711.2	711.2	711.3	0.1
E	116,150[2]	139	327	2.90	718.2	718.2	718.3	0.1

[1]Feet above Will-Cook County line
[2]Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPRING CREEK AND HICKORY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Hickory Creek (continued)								
F	116,208	140	355	2.67	721.4	721.4	721.4	0.0
G	116,300	127	325	2.92	721.6	721.6	721.7	0.1
H	116,474	250	6,382	0.15	730.5	730.5	730.5	0.0
I	117,250	565	5,166	0.18	730.5	730.5	730.6	0.1
J	121,950	817	5,508	0.13	730.5	730.5	730.6	0.1
K	122,276	950	523	1.38	730.5	730.5	730.6	0.1
L	124,350	299	648	1.11	731.5	731.5	731.6	0.1
Tributary A of Hickory Creek								
A		AREA NOT	INCLUDED	- WILL	COUNTY			
B	119,400	183	594	1.68	728.6	728.6	728.6	0.0
C	119,450	191	523	1.91	729.1	729.1	729.2	0.1
D	121,900	162	352	2.84	734.5	734.5	734.6	0.1
E	123,400	176	456	2.19	736.2	736.2	736.3	0.1
F	125,000	160	312	3.21	740.1	740.1	740.2	0.1

[1] Feet above mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

HICKORY CREEK AND TRIBUTARY A OF HICKORY CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Flossmoor Ditch								
A		AREA NOT	INCLUDED	- WILL	COUNTY			
B	5,310	400[2]	1,950	0.29	694.7	694.7	694.7	0.0
C	5,430	453[2]	1,840	0.31	694.7	694.7	694.8	0.1
D	6,450	767	1,688	0.34	694.8	694.8	694.9	0.1
E	7,490	1,686	4,441	0.05	694.8	694.8	694.9	0.1
F	10,450	1,348	3,423	0.07	694.8	694.8	694.9	0.1
Tributary A of Flossmoor Ditch								
A	2,330	518	250	1.25	699.9	699.9	700.0	0.1
B	4,680	38	74	3.73	711.4	711.4	711.5	0.1
C	4,830	46	185	1.50	712.7	712.7	712.7	0.0
D	4,980	54	137	2.02	712.8	712.8	712.9	0.1
E	9,080	382	91	1.36	725.4	725.4	725.5	0.1

[1] Feet above mouth
[2] This width extends beyond corporate limits

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOODWAY DATA

FLOSSMOOR DITCH AND TRIBUTARY A OF FLOSSMOOR DITCH

As shown on the Flood Boundary and Floodway Map (Exhibit 3), the floodway widths were determined at cross sections; between cross sections, the boundaries were interpolated. In cases where the boundaries of the floodway and the 100-year flood are either close together or collinear, only the floodway boundary has been shown.

Portions of certain floodways on the following streams extend beyond the unincorporated Cook County boundaries: Salt Creek, Tributary C of Salt Creek, Tributary D of West Branch of Salt Creek, Higgins Creek, Silver Creek, Poplar Creek, Schaumburg Branch of Poplar Creek, Butterfield Creek, Thorn Creek, North Creek, Midlothian Creek, Tributary A of Illinois and Michigan Canal, Marley Creek, and Flossmoor Ditch.

Near the mouths of streams studied in detail, floodway computations are made without regard to flood elevations on the receiving water body. Therefore, "With Floodway" elevations presented in Table 5 for certain downstream cross sections of Tributary A of West Fork of North Branch Chicago River and North Creek are lower than the regulatory flood elevations in that area, which must take into account the 100-year flooding due to backwater from other sources.

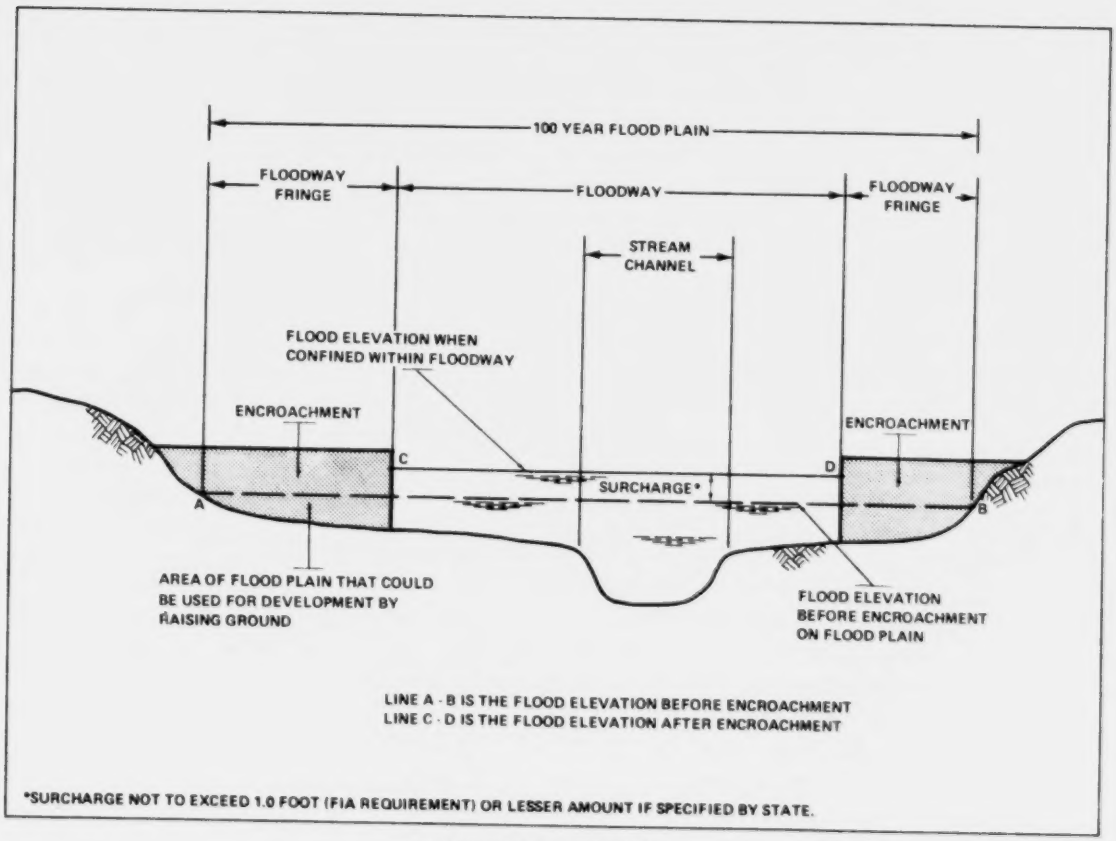
The area between the floodway and the boundary of the 100-year flood is termed the floodway fringe. The floodway fringe thus encompasses the portion of the flood plain that could be completely obstructed without increasing the water-surface elevation of the 100-year flood by more than 1.0 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to flood plain development are shown in Figure 2.

5.0 INSURANCE APPLICATION

In order to establish actuarial insurance rates, the FIA has developed a process to transform the data from the engineering study into flood insurance criteria. This process includes the determination of reaches, Flood Hazard Factors (FHFs), and flood insurance zone designations for each flooding source affecting the unincorporated areas of Cook County.

5.1 Reach Determinations

Reaches are defined as lengths of watercourses having relatively the same flood hazard, based on the average weighted difference in water-surface elevations between the 10- and 100-year floods. This difference does not have a variation greater than that indicated in the following table for more than 20 percent of the reach.



FLOODWAY SCHEMATIC

Figure 2

Average Difference Between 10- and 100-Year Floods	Variation
Less than 2 feet	0.5 foot
2 to 7 feet	1.0 foot
7.1 to 12 feet	2.0 feet
More than 12 feet	3.0 feet

The locations of the reaches determined for the flooding sources of the unincorporated areas of Cook County are shown on the Flood Profiles (Exhibit 1) and are summarized in the Flood Insurance Zone Data Table (Table 6).

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
West Fork of North Branch Chicago River							
Reach 1	45,50	-1.4	-0.2	+0.9	015	A3	630
Reach 2	45,50	-0.9	-0.3	+0.3	010	A2	Varies
Reach 3	45	-2.1	-0.7	+1.6	020	A4	Varies
Tributary A of West Fork of North Branch Chicago River							
Reach 1	45	-1.3	-0.5	+1.8	015	A3	639
Middle Fork of North Branch Chicago River							
Reach 1	45	-0.6	-0.2	+0.2	005	A1	Varies
Reach 2	50	-0.3	-0.1	+0.1	005	A1	Varies
Salt Creek							
Reach 1	65	-0.9	-0.3	+0.6	010	A2	Varies
Reach 2	65	-1.1	-0.3	+0.6	010	A2	Varies
Reach 3	35,60	-1.2	-0.4	+0.5	010	A2	Varies

[1]Flood Insurance Rate Map Panel

[2]Weighted average

[3]Rounded to the nearest foot - see map

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

WEST FORK OF NORTH BRANCH CHICAGO RIVER, TRIBUTARY A OF WEST FORK OF NORTH BRANCH CHICAGO RIVER, MIDDLE FORK OF NORTH BRANCH CHICAGO RIVER AND SALT CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Salt Creek (continued)							
Reach 4	35,40	-1.1	-0.4	+0.8	010	A2	Varies
Reach 5	35	-1.4	-0.4	+0.7	015	A3	745
Reach 6	35	-1.5	-0.3	+0.9	015	A3	Varies
Reach 7	35	-1.6	-1.2	+2.6	015	A3	Varies
Tributary B of Salt Creek							
Reach 1	35	-1.2	-0.6	+0.7	010	A2	Varies
Reach 2	35	-2.0	-0.1	+0.3	020	A4	820
Tributary C of Salt Creek							
Reach 1	35	-1.4	-0.3	+0.5	015	A3	Varies
Arlington Heights Branch of Salt Creek							
Reach 1	35,40	-1.3	-0.3	+0.5	015	A3	Varies
Reach 2	35	-2.2	-0.3	+0.2	020	A4	Varies
Reach 3	35	-0.6	-0.2	+0.2	005	A1	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

SALT CREEK, TRIBUTARY B OF SALT CREEK, TRIBUTARY C OF SALT CREEK AND ARLINGTON HEIGHTS BRANCH OF SALT CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
West Branch of Salt Creek							
Reach 1	65	-1.6	-0.5	+1.4	015	A3	Varies
Reach 2	60	-0.9	-0.2	+0.6	010	A2	Varies
Reach 3	60	-0.3	-0.2	+0.1	005	A1	Varies
Reach 4	60	-0.2	-0.1	+0.2	005	A1	Varies
Reach 5	60	-0.5	-0.3	+0.5	005	A1	Varies
Tributary D of West Branch of Salt Creek							
Reach 1	90	-0.4	-0.1	+0.3	005	A1	Varies
Wheeling Drainage Ditch							
Reach 1	45	-1.4	-0.3	+0.8	015	A3	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

WEST BRANCH OF SALT CREEK , TRIBUTARY D OF WEST BRANCH OF SALT CREEK AND WHEELING DRAINAGE DITCH

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary A of Buffalo Creek							
Reach 1	15,40	-0.7	-0.2	+0.5	005	A1	Varies
Reach 2	15,40	-1.4	-0.5	+1.2	015	A3	Varies
Reach 3	40	-0.9	-0.2	+0.5	010	A2	Varies
Reach 4	35,40	-1.7	-1.0	+0.7	015	A3	Varies
McDonald Creek							
Reach 1	45,70	-1.7	-0.5	+0.9	015	A3	Varies
Reach 2	45	-0.7	-0.2	+0.5	005	A1	646
Tributary B of McDonald Creek							
Reach 1	40,45	-0.5	-0.1	+0.3	005	A1	Varies
Prairie Creek							
Reach 1	70	-0.7	-0.2	+0.4	005	A1	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY A OF BUFFALO CREEK, McDONALD CREEK, TRIBUTARY B OF McDONALD CREEK AND PRAIRIE CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Higgins Creek							
Reach 1	65,70 95,100	-1.4	-0.4	+0.6	015	A3	Varies
Tributary A of Higgins Creek							
Reach 1	65	-0.8	-0.3	+0.5	010	A2	Varies
Silver Creek							
Reach 1	115	-2.7	-1.0	+1.5	025	A5	Varies
Reach 2	115	-0.6	-0.1	+0.5	005	A1	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

HIGGINS CREEK, TRIBUTARY A OF HIGGINS CREEK AND SILVER CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Flag Creek							
Reach 1	170	-1.2	-0.4	+0.6	010	A2	Varies
Reach 2	145	-1.3	-0.4	+1.0	015	A3	Varies
Reach 3	145	-2.6	-0.8	+1.7	025	A5	Varies
Tributary A of Flag Creek							
Reach 1	145	-0.7	-0.2	+0.4	005	A1	Varies
Tributary B of Flag Creek							
Reach 1	145	-1.5	-0.4	+0.8	015	A3	Varies
Reach 2	145	-0.5	-0.1	+0.2	005	A1	Varies
Tributary C of Flag Creek							
Reach 1	145,170	-0.8	-0.4	+0.5	010	A2	Varies
Reach 2	145	-2.7	-1.1	+3.6	025	A5	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

FLAG CREEK, TRIBUTARY A OF FLAG CREEK, TRIBUTARY B OF FLAG CREEK, AND TRIBUTARY C OF FLAG CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary A of Des Plaines River							
Reach 1	145	-0.3	-0.1	+0.2	005	A1	Varies
Poplar Creek							
Reach 1	55	-1.8	-0.5	+1.6	020	A4	Varies
Reach 2	55	-1.1	-0.3	+0.6	010	A2	Varies
Reach 3	55	-1.4	-0.4	+0.9	015	A3	Varies
Reach 4	55	-1.0	-0.3	+0.6	010	A2	Varies
Reach 5	55	-1.6	-0.5	+1.3	015	A3	Varies
Reach 6	55	-1.2	-0.3	+0.6	010	A2	Varies
Reach 7	60	-1.0	-0.3	+0.5	010	A2	Varies
Reach 8	35,60	-1.1	-0.3	+0.6	010	A2	Varies
Reach 9	35	-1.3	-0.1	+0.4	015	A3	Varies
Reach 10	35	-2.6	-0.5	+0.6	025	A5	Varies
Reach 11	35	-2.2	-0.7	+2.0	020	A4	Varies
Reach 12	35	-0.5	-0.2	+0.5	005	A1	Varies
Reach 13	35	-1.3	-0.5	+1.8	015	A3	Varies
Reach 14	35	-0.3	-0.1	+0.4	005	A1	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY A OF DES PLAINES RIVER AND POPLAR CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary A of Poplar Creek							
Reach 1	60	-0.3	-0.1	+0.3	005	A1	Varies
South Branch of Poplar Creek							
Reach 1	55	-1.3	-0.4	+0.7	015	A3	Varies
Schaumburg Branch of Poplar Creek							
Reach 1	60	-1.1	-0.4	+0.8	010	A2	Varies
Thorn Creek							
Reach 1	225	-3.2	-1.0	+2.7	030	A6	Varies
Reach 2	225,240	-1.9	-0.7	+2.6	020	A4	Varies
Reach 3	240	-1.5	-0.4	+0.6	015	A3	Varies
Reach 4	235,240	-1.5	-0.4	+0.6	015	A3	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY A OF POPLAR CREEK, SOUTH BRANCH OF POPLAR CREEK, SCHAUMBURG BRANCH OF POPLAR CREEK AND THORN CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary A of Thorn Creek							
Reach 1	240	-2.0	-0.8	+0.7	020	A4	Varies
Reach 2	240	-0.9	-0.4	+0.5	010	A2	Varies
Deer Creek							
Reach 1	225,240	-2.4	-1.0	+4.4	025	A5	Varies
Reach 2	240	-0.9	-0.3	+0.8	010	A2	Varies
Reach 3	240	-0.9	-0.3	+0.8	010	A2	Varies
Third Creek							
Reach 1	240	-0.7	-0.2	+1.4	005	A1	Varies
Tributary B of Deer Creek							
Reach 1	240	-0.9	-0.3	+0.8	010	A2	Varies
Reach 2	240	-0.7	-0.3	+0.5	005	A1	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY A OF THORN CREEK, DEER CREEK, THIRD CREEK AND TRIBUTARY B OF DEER CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Butterfield Creek							
Reach 1	225	-1.0	-0.3	+0.6	010	A2	Varies
Reach 2	235,240	-1.0	-0.3	+0.6	010	A2	Varies
Reach 3	235	-1.0	-0.3	+0.6	010	A2	Varies
Reach 4	235	-1.0	-0.3	+0.6	010	A2	Varies
Reach 5	235	-1.0	-0.3	+0.6	010	A2	Varies
North Creek							
Reach 1	225,230	-1.5	-0.4	+1.1	015	A3	Varies
Reach 2	230	-1.8	-0.6	+1.0	020	A4	Varies
Lansing Ditch							
Reach 1	245	-1.2	-0.4	+0.6	010	A2	Varies
Tributary A of Lansing Ditch							
Reach 1	245	-1.9	-0.2	+0.3	020	A4	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

BUTTERFIELD CREEK, NORTH CREEK, LANSING DITCH AND TRIBUTARY A OF LANSING DITCH

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Plum Creek							
Reach 1	245	-2.3	-0.4	+0.8	025	A5	Varies
Midlothian Creek							
Reach 1	200	-3.2	-0.9	+0.4	030	A6	Varies
Tributary A of Illinois and Michigan Canal							
Reach 1	165	-2.4	-0.4	+2.4	025	A5	Varies
Reach 2	165,190	-1.1	-0.4	+0.6	010	A2	Varies
Tributary B of Illinois and Michigan Canal							
Reach 1	165	-0.2	-0.1	+0.1	005	A1	Varies
Reach 2	165	-1.0	-0.4	+0.7	010	A2	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

PLUM CREEK, MIDLOTHIAN CREEK, TRIBUTARY A OF ILLINOIS AND MICHIGAN CANAL AND TRIBUTARY B OF ILLINOIS AND MICHIGAN CANAL

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary BA of Illinois and Michigan Canal							
Reach 1	165	-1.7	-0.5	+1.0	015	A3	Varies
Tributary A of Calumet Sag Channel							
Reach 1	165	-1.4	-0.2	+1.0	015	A3	Varies
Reach 2	165,170,195	-0.5	-0.1	+0.4	005	A1	Varies
Tributary AA of Calumet Sag Channel							
Reach 1	165	-0.4	-0.2	+0.3	005	A1	Varies
Tributary A of Mill Creek							
Reach 1	195	-0.9	-0.4	+2.3	010	A2	Varies
Reach 2	195	-0.4	-0.1	+0.5	005	A1	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY BA OF ILLINOIS AND MICHIGAN CANAL, TRIBUTARY A OF CALUMET SAG CHANNEL, TRIBUTARY AA OF CALUMET SAG CHANNEL AND TRIBUTARY A OF MILL CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary B of Calumet Sag Channel							
Reach 1	170	-1.0	-0.2	+0.6	010	A2	Varies
Reach 2	170	-1.3	-0.4	+0.4	015	A3	Varies
Tinley Creek							
Reach 1	195	-0.9	-0.3	+0.5	010	A2	Varies
Tributary C of Calumet Sag Channel							
Reach 1	200	-0.6	-0.1	+0.3	005	A1	Varies
Long Run							
Reach 1	190	-1.7	-0.4	+0.6	015	A3	Varies
Reach 2	195	-2.0	-0.8	+0.8	020	A4	Varies
Reach 3	195	-0.7	-0.3	+0.5	005	A1	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY B OF CALUMET SAG CHANNEL, TINLEY CREEK, TRIBUTARY C OF CALUMET SAG CHANNEL AND LONG RUN

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary A of Long Run							
Reach 1	195	-0.5	-0.1	+0.3	005	A1	Varies
Tributary B of Long Run							
Reach 1	190	-0.7	-0.2	+0.5	005	A1	Varies
Reach 2	190	-1.2	-0.4	+0.6	010	A2	Varies
Reach 3	190	-2.1	-0.4	+0.6	020	A4	Varies
Tributary BA of Long Run							
Reach 1	190	-0.7	-0.2	+0.4	005	A1	Varies
Reach 2	190	-1.7	-0.7	+1.3	015	A3	Varies
Tributary C of Long Run							
Reach 1	190	-0.8	-0.3	+0.4	010	A2	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY A OF LONG RUN, TRIBUTARY B OF LONG RUN, TRIBUTARY BA OF LONG RUN AND TRIBUTARY C OF LONG RUN

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Marley Creek							
Reach 1	215	-2.9	-0.1	+0.2	030	A6	674
Reach 2	215	-1.5	-0.3	+0.5	015	A3	Varies
Reach 3	215	-2.4	-0.5	+1.1	025	A5	Varies
Reach 4	195,215	-3.7	-0.8	+2.4	035	A7	692
Tributary A of Marley Creek							
Reach 1	215	-1.0	-0.2	+0.3	010	A2	Varies
Tributary B of Marley Creek							
Reach 1	215	-0.5	-0.1	+0.4	005	A1	Varies
Tributary C of Marley Creek							
Reach 1	215	-0.8	-0.2	+0.5	010	A2	Varies
Reach 2	215	-3.4	-0.6	+0.5	035	A7	Varies
Reach 3	215	-1.3	-0.3	+0.5	015	A3	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

MARLEY CREEK, TRIBUTARY A OF MARLEY CREEK, TRIBUTARY B OF MARLEY CREEK AND TRIBUTARY C OF MARLEY CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary D of Marley Creek							
Reach 1	215	-3.0	-0.9	+2.5	030	A6	Varies
Reach 2	215	-6.0	-2.0	+0.5	060	A12	700
Reach 3	215	-3.6	-1.3	+0.6	035	A7	Varies
Spring Creek							
Reach 1	215	-0.9	-0.3	+0.6	010	A2	Varies
Reach 2	215	-1.9	-0.3	+0.7	020	A4	Varies
Reach 3	195,215	-0.8	-0.2	+0.7	010	A2	696
Reach 4	195	-2.0	-0.3	+0.5	020	A4	698
Reach 5	195	-0.9	-0.2	+0.3	010	A2	Varies
Hickory Creek							
Reach 1	235	-1.3	-0.4	+0.5	015	A3	Varies
Reach 2	235	-6.4	-2.7	+1.1	065	A13	Varies
Reach 3	235	-2.4	-1.8	+0.8	025	A5	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY D OF MARLEY CREEK, SPRING CREEK AND HICKORY CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3] (NGVD)
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Tributary A of Hickory Creek Reach 1	235	-0.8	-0.2	+0.5	010	A2	Varies
Flossmoor Ditch Reach 1	220	-2.0	-0.8	+0.7	020	A4	695
Tributary A of Flossmoor Ditch Reach 1	220,235	-0.8	-0.3	+0.4	010	A2	Varies

[1]Flood Insurance Rate Map Panel
[2]Weighted average
[3]Rounded to the nearest foot - see map

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY A OF HICKORY CREEK, FLOSSMOOR DITCH AND TRIBUTARY A OF FLOSSMOOR DITCH

5.2 Flood Hazard Factors

The FHF is the FIA device used to correlate flood information with insurance rate tables. Correlations between property damage from floods and their FHFs are used to set actuarial insurance premium rate tables based on FHFs from 005 to 200.

The FHF for a reach is the average weighted difference between the 10- and 100-year flood water-surface elevations expressed to the nearest 0.5 foot, and shown as a three-digit code. For example, if the difference between water-surface elevations of the 10- and 100-year floods is 0.7 foot, the FHF is 005; if the difference is 1.4 feet, the FHF is 015; if the difference is 5.0 feet, the FHF is 050. When the difference between the 10- and 100-year water-surface elevations is greater than 10.0 feet, accuracy for the FHF is to the nearest foot.

5.3 Flood Insurance Zones

After the determination of reaches and their respective FHFs, the entire unincorporated area of Cook County was divided into zones, each having a specific flood potential or hazard. Each zone was assigned one of the following flood insurance zone designations:

Zone A:	Special Flood Hazard Areas inundated by the 100-year flood, determined by approximate methods; no base flood elevations shown or FHFs determined.
Zones A1, A2, A3, A4, A5, A6, A7, A12, A13:	Special Flood Hazard Areas inundated by the 100-year flood, determined by detailed methods; base flood elevations shown, and zones subdivided according to FHF.
Zone B:	Areas between the Special Flood Hazard Area and the limits of the 500-year flood, including areas of the 500-year flood plain that are protected from the 100-year flood by dike, levee, or other water control structure; also, areas subject to certain types of 100-year shallow flooding where depths are less than 1.0 foot; and areas subject to 100-year flooding from sources with drainage areas less than 1 square mile. Zone B is not subdivided.

Zone C: Areas of minimal flooding.

Table 6, "Flood Insurance Zone Data," summarizes the flood elevation differences, FHFs, flood insurance zones, and base flood elevations for the flooding sources studied in detail in the unincorporated areas of Cook County.

5.4 Flood Insurance Rate Map Description

The Flood Insurance Rate Map for the unincorporated areas of Cook County is, for insurance purposes, the principal result of the Flood Insurance Study. This map (published separately) contains the official delineation of flood insurance zones and base flood elevation lines. Base flood elevation lines show the locations of the expected whole-foot water-surface elevations of the base (100-year) flood. This map is developed in accordance with the latest flood insurance map preparation guidelines published by the FIA.

6.0 OTHER STUDIES

There are eight recent reports which discuss flood problems and their potential solutions for streams which are located in, or which have an effect on flood profiles in the unincorporated areas of Cook County (References 12 through 19). These reports were prepared by many agencies, including the State of Illinois, the COE, the SCS, the MSDGC, the U. S. Forest Service, the Cook County Forest Preserve District, individual municipalities, and watershed steering committees. Flood profiles shown in this Flood Insurance Study agree with the latest profiles prepared by other agencies in the State of Illinois.

Flood profiles and flood boundaries shown in this study for the unincorporated areas of Cook County agree with those presented in the flood insurance studies performed for incorporated areas within the county. The studies for these communities have been published, or are being prepared for publication, by the Federal Insurance Administration of the Federal Emergency Management Agency.

This study is authoritative for purposes of the Flood Insurance Program, and the data presented here either supersede or are compatible with previous determinations.

7.0 LOCATION OF DATA

Survey, hydrologic, hydraulic, and other pertinent data used in this study can be obtained by contacting the office of the Insurance and Mitigation Division of the Federal Emergency Management Agency, Regional Director, Region V Office, 1 North Dearborn Street, Room 540, Chicago, Illinois 60602.

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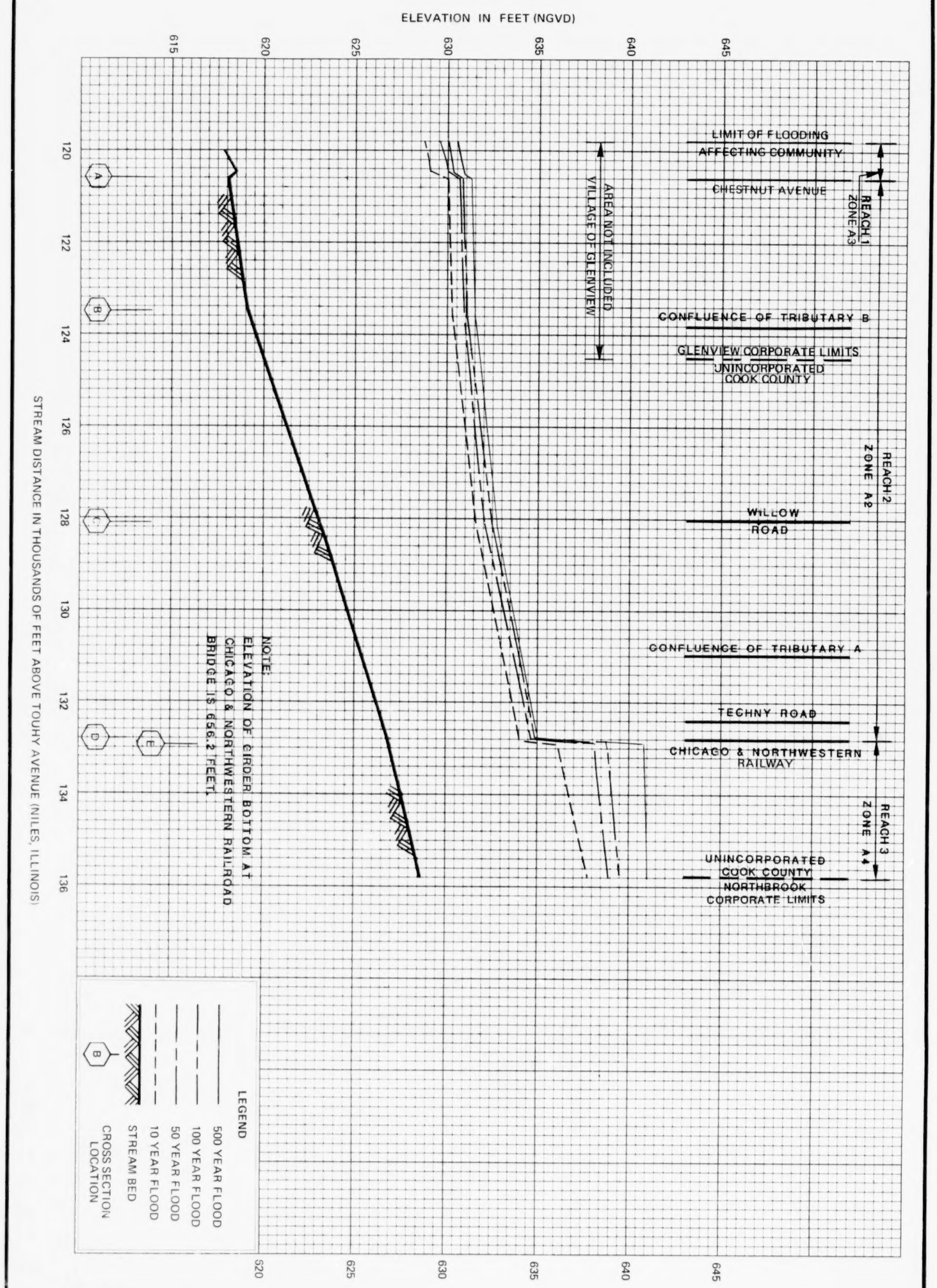


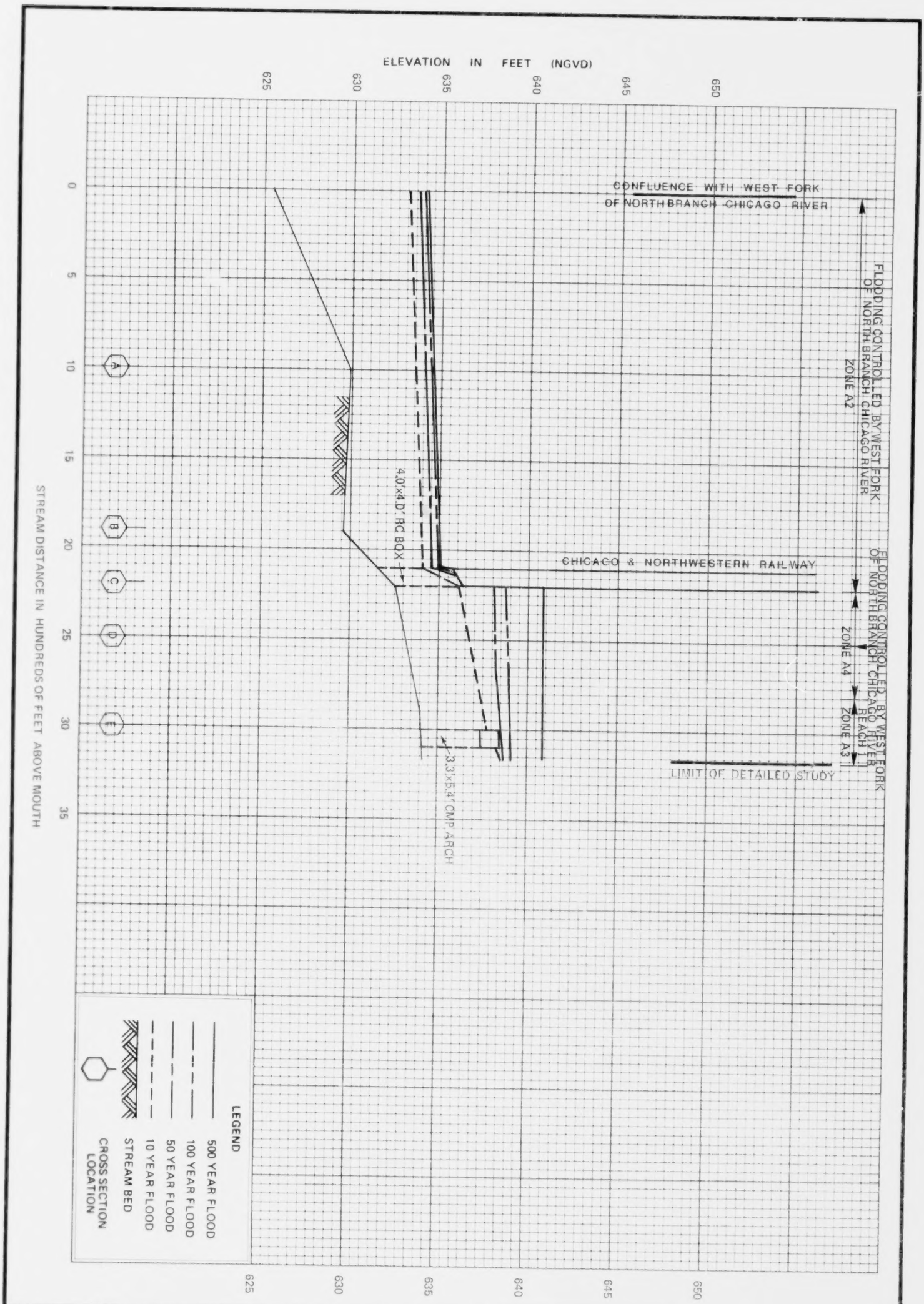
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

WEST FORK OF NORTH BRANCH CHICAGO RIVER

01P



02P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF WEST FORK OF NORTH BRANCH CHICAGO RIVER

REACH 1
ZONE A1

LIMIT OF FLOODING AFFECTING COMMUNITY

NORTHBROOK CORPORATE LIMITS
UNINCORPORATED COOK COUNTY
UNINCORPORATED COOK COUNTY
NORTHBROOK CORPORATE LIMITS

NORTHBROOK CORPORATE LIMITS
UNINCORPORATED COOK COUNTY

SUNSET DRIVE

MEADOW DRIVE

UNINCORPORATED COOK COUNTY
NORTHBROOK CORPORATE LIMITS

AREA NOT INCLUDED
VILLAGE OF NORTH BROOK

SUNSET RIDGE ROAD

AREA NOT INCLUDED
VILLAGE OF NORTH BROOK

AREA NOT INCLUDED
VILLAGE OF NORTH BROOK

ELEVATION IN FEET (NGVD)

642
640
638
636
634
632
630
628
626
624

131.0 131.5 132.0 132.5 133.0 133.5 134.0 134.5 135.0 135.5 136.0 136.5

STREAM DISTANCE IN THOUSANDS OF FEET ABOVE TOUHY AVENUE (NILES, ILLINOIS)

A

LEGEND

- 500 YEAR FLOOD
- 100 YEAR FLOOD
- 50 YEAR FLOOD
- 10 YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

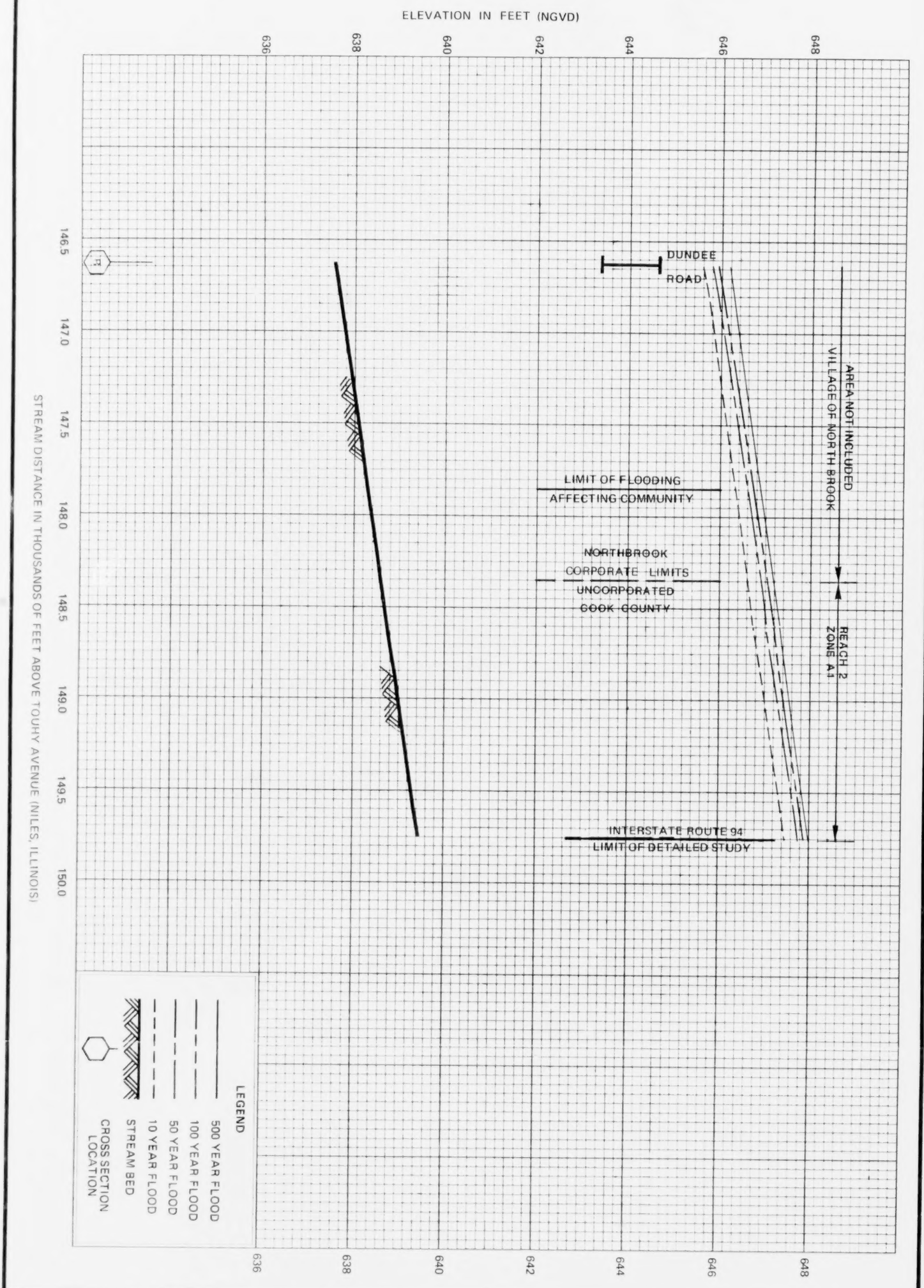
FLOOD PROFILES

MIDDLE FORK OF NORTH BRANCH CHICAGO RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

03P



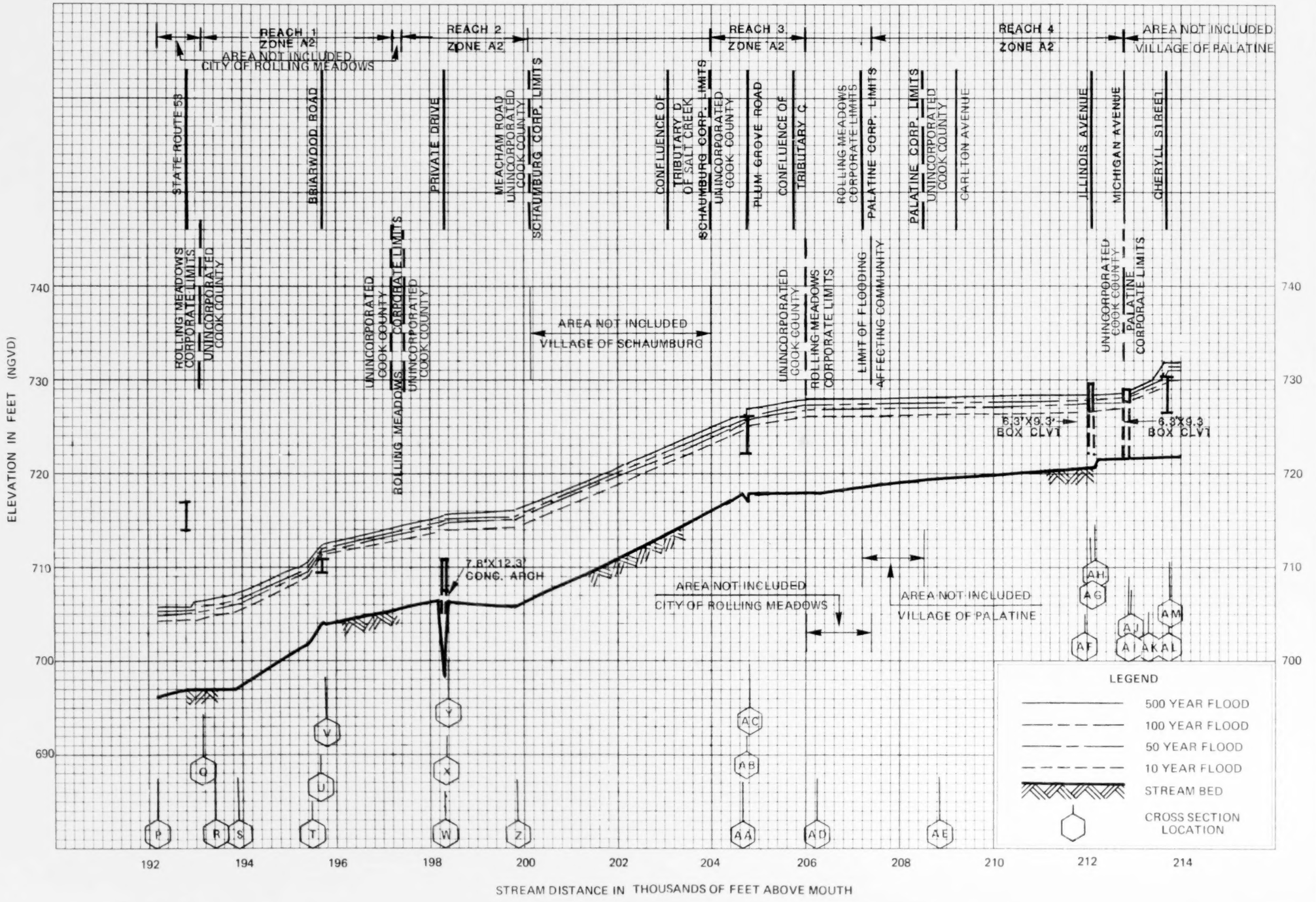
04P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

MIDDLE FORK OF NORTH BRANCH CHICAGO RIVER



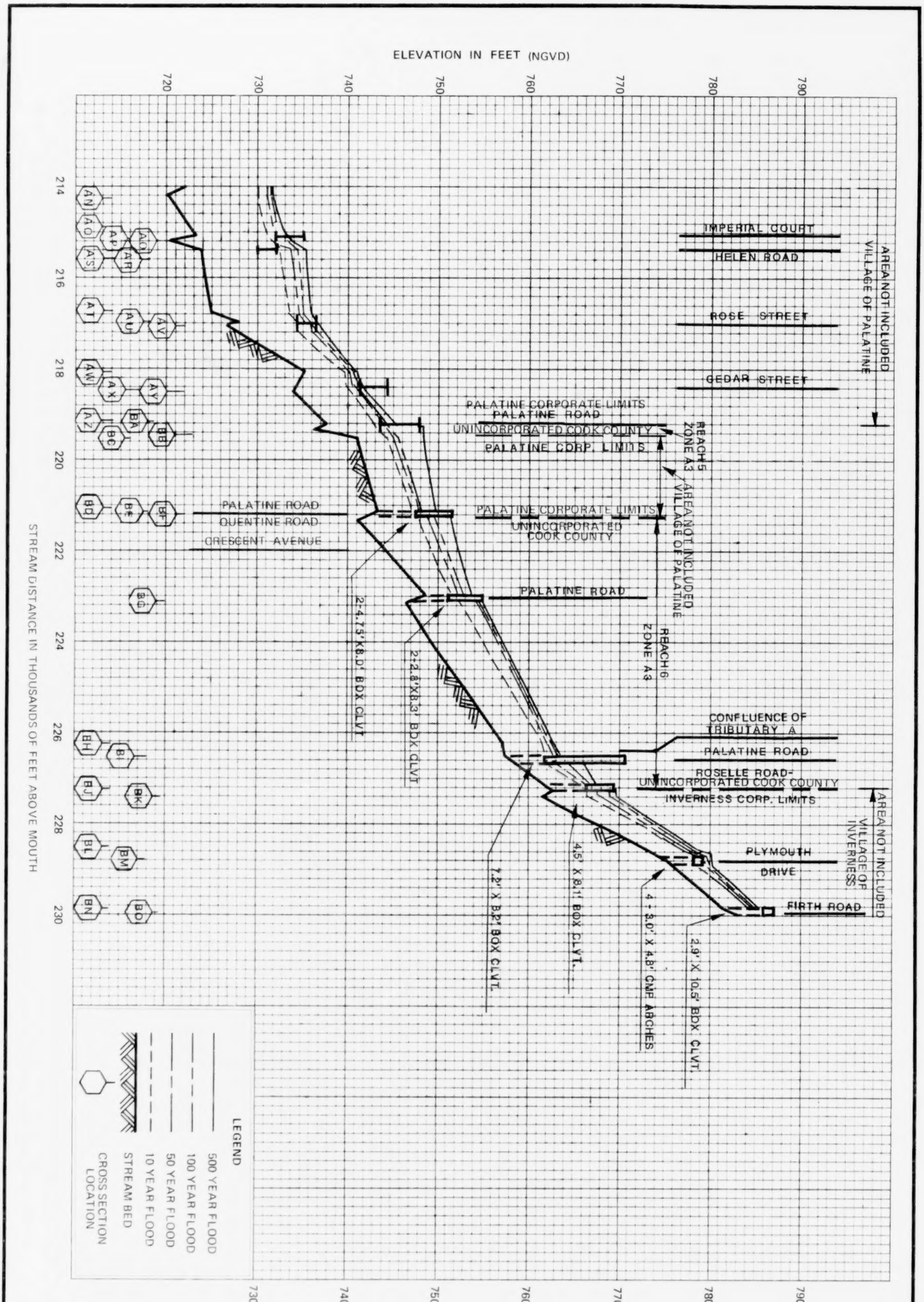
FLOOD PROFILES

SALT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

05P



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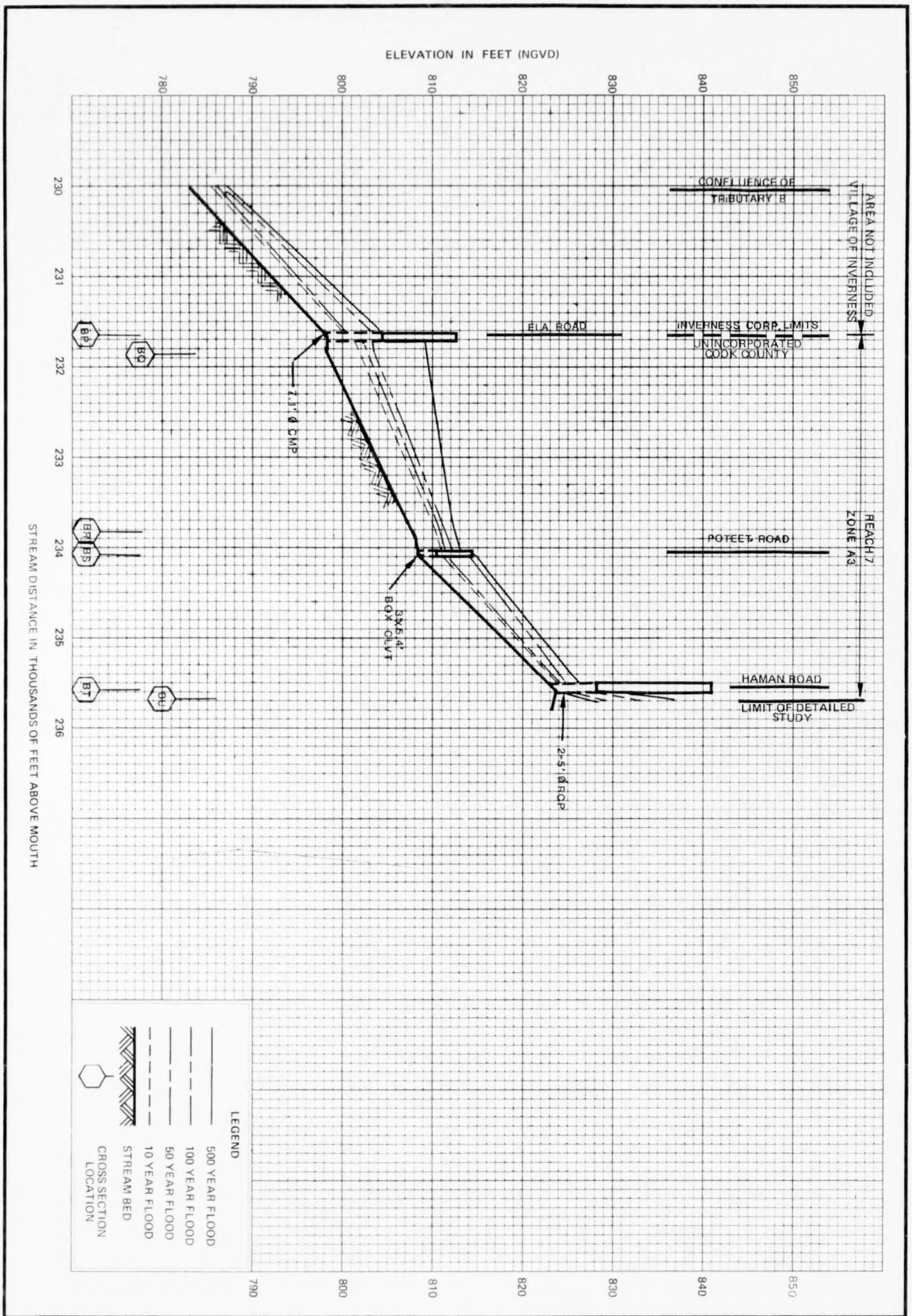
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

SALT CREEK



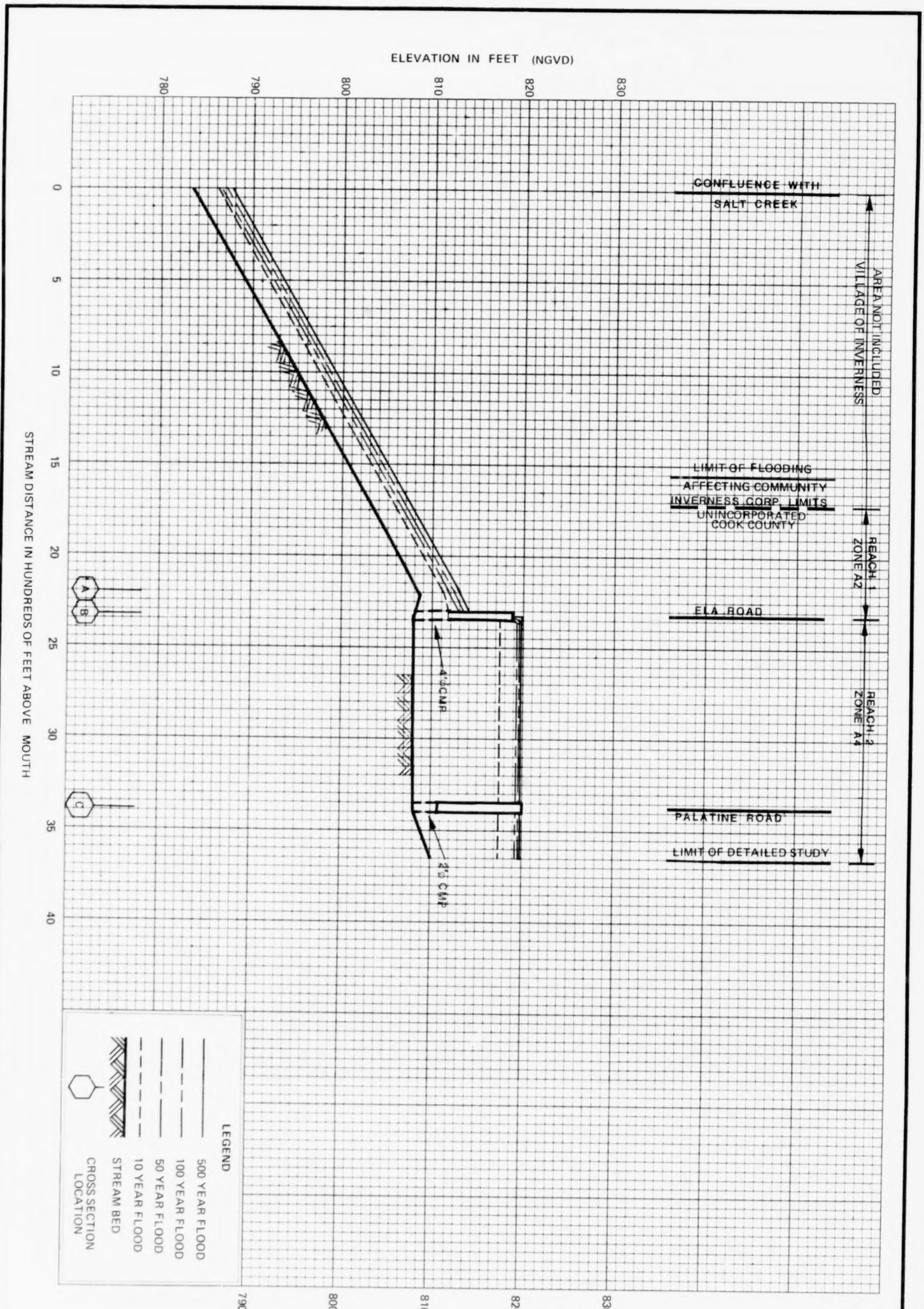
07P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

SALT CREEK



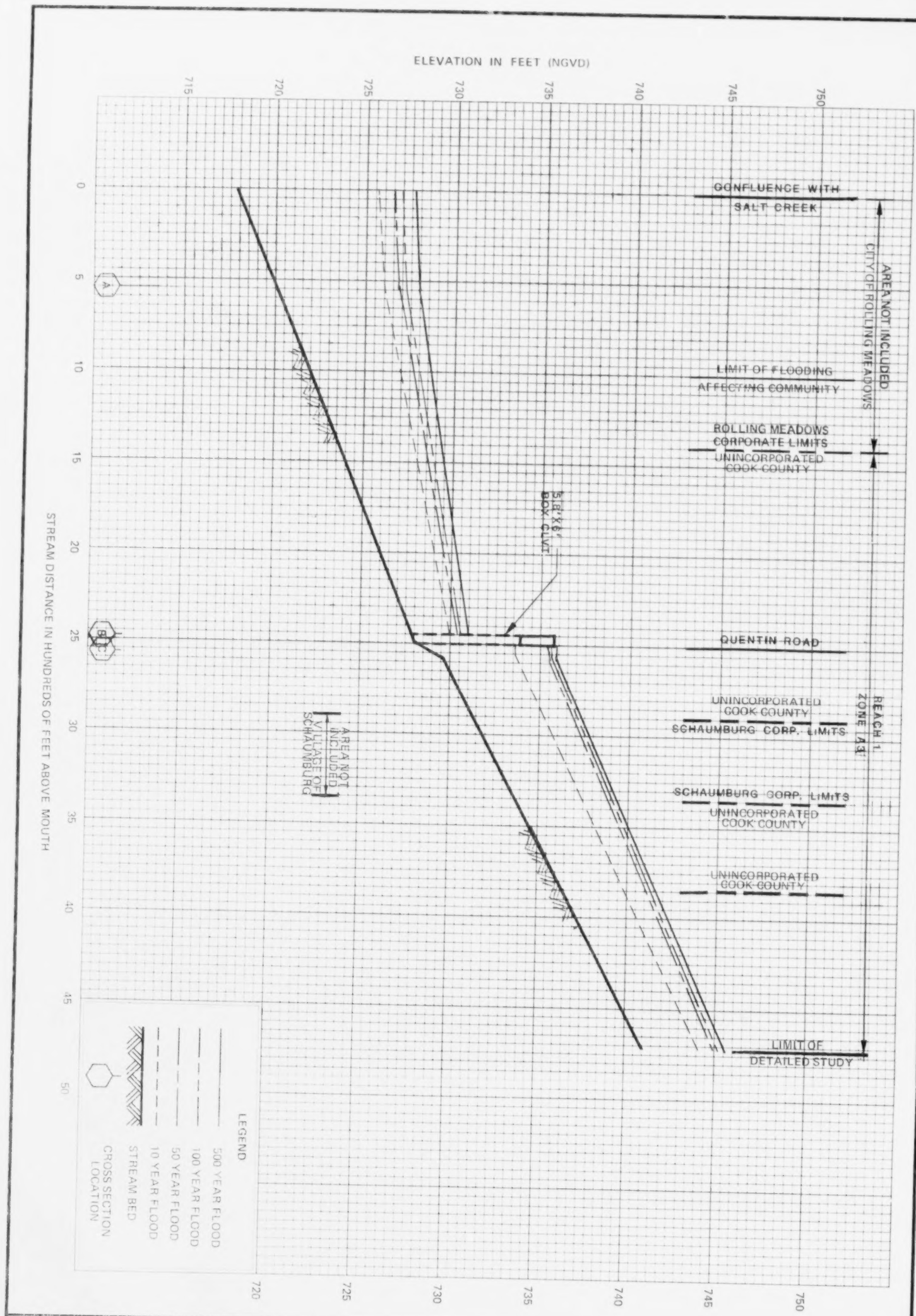
08P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

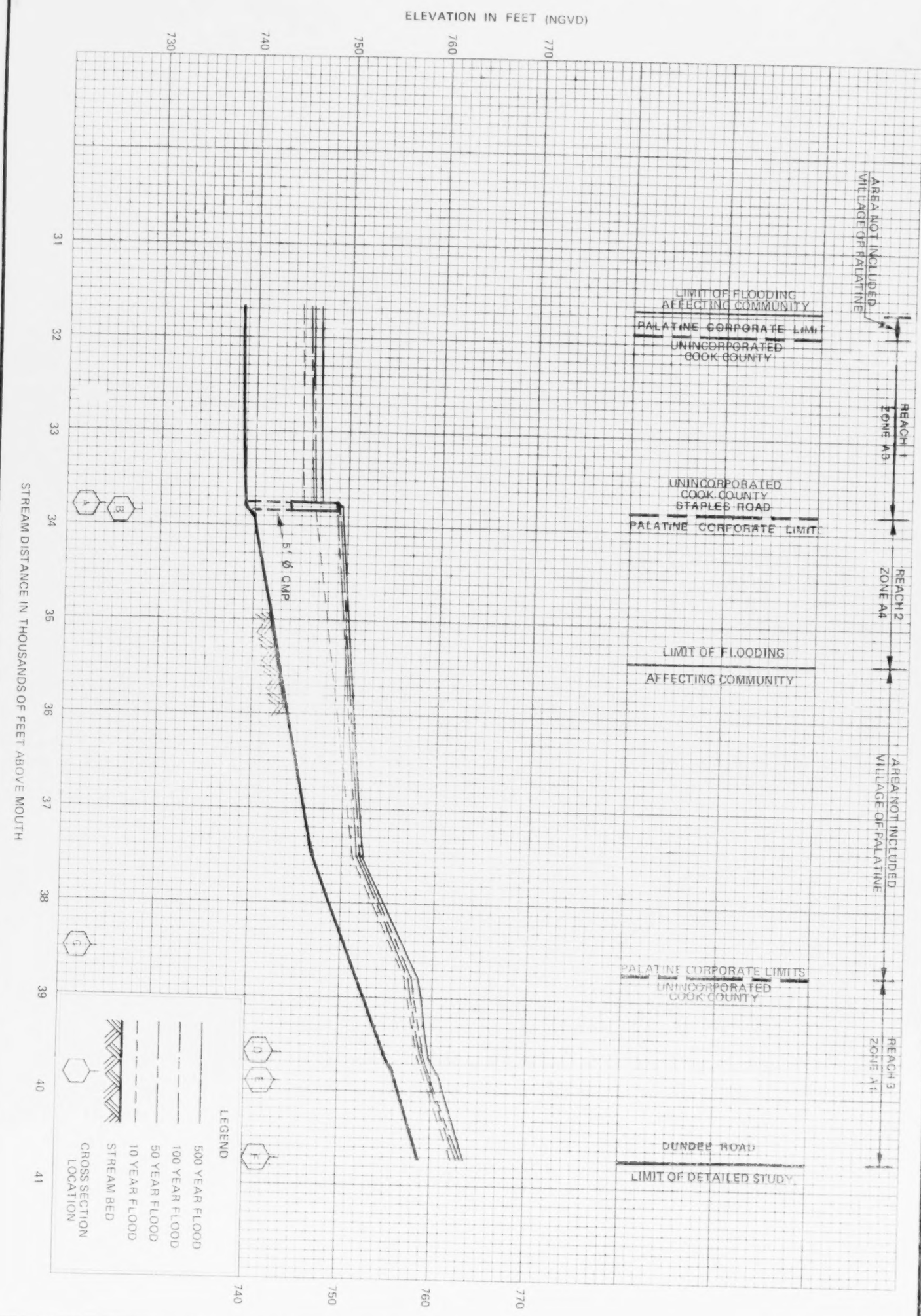
COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF SALT CREEK



09P	FEDERAL EMERGENCY MANAGEMENT AGENCY Federal Insurance Administration **COOK COUNTY, IL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **TRIBUTARY C OF SALT CREEK**



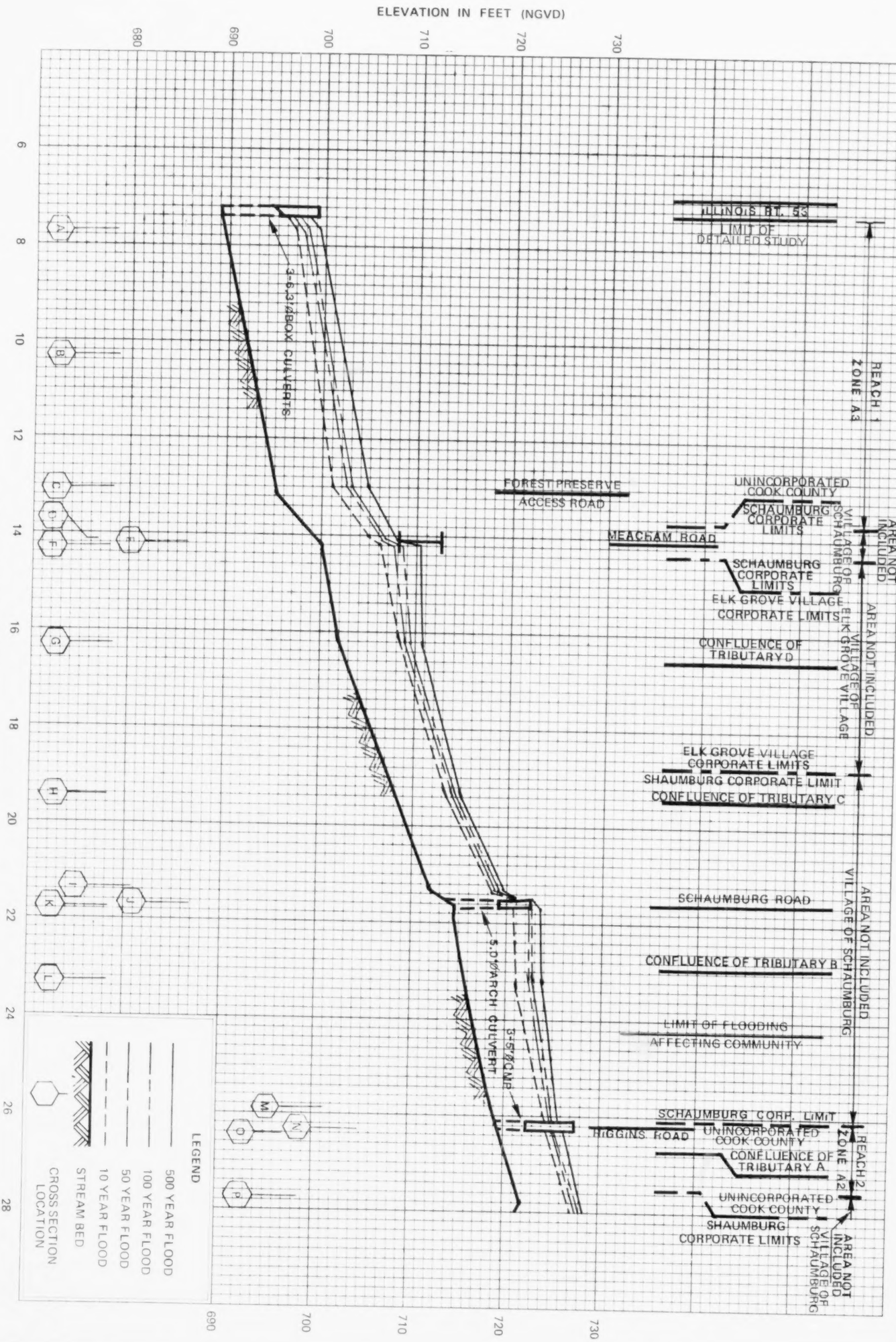
10P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

ARLINGTON HEIGHTS BRANCH OF SALT CREEK



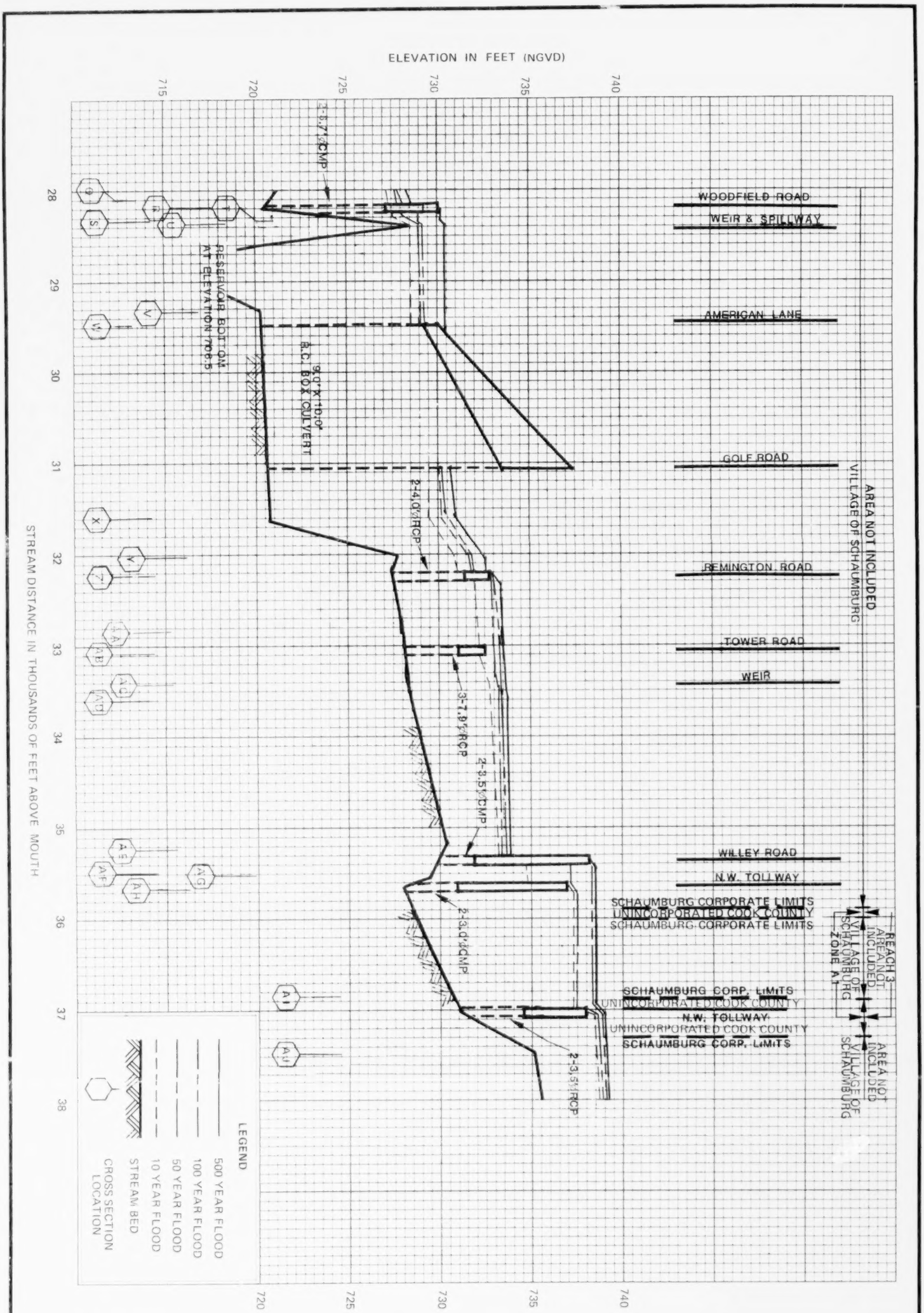
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

WEST BRANCH OF SALT CREEK

11P



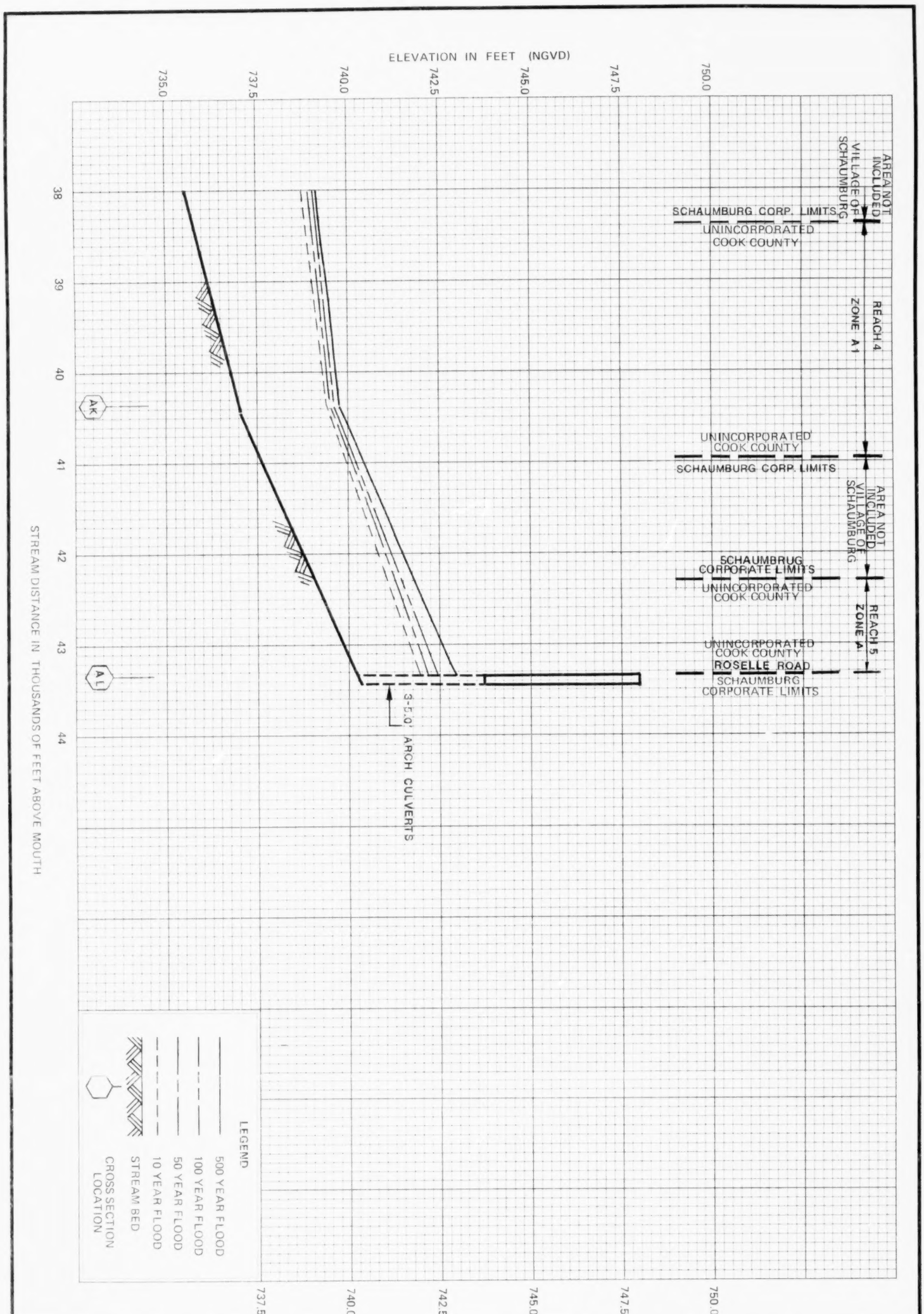
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

WEST BRANCH OF SALT CREEK

12P



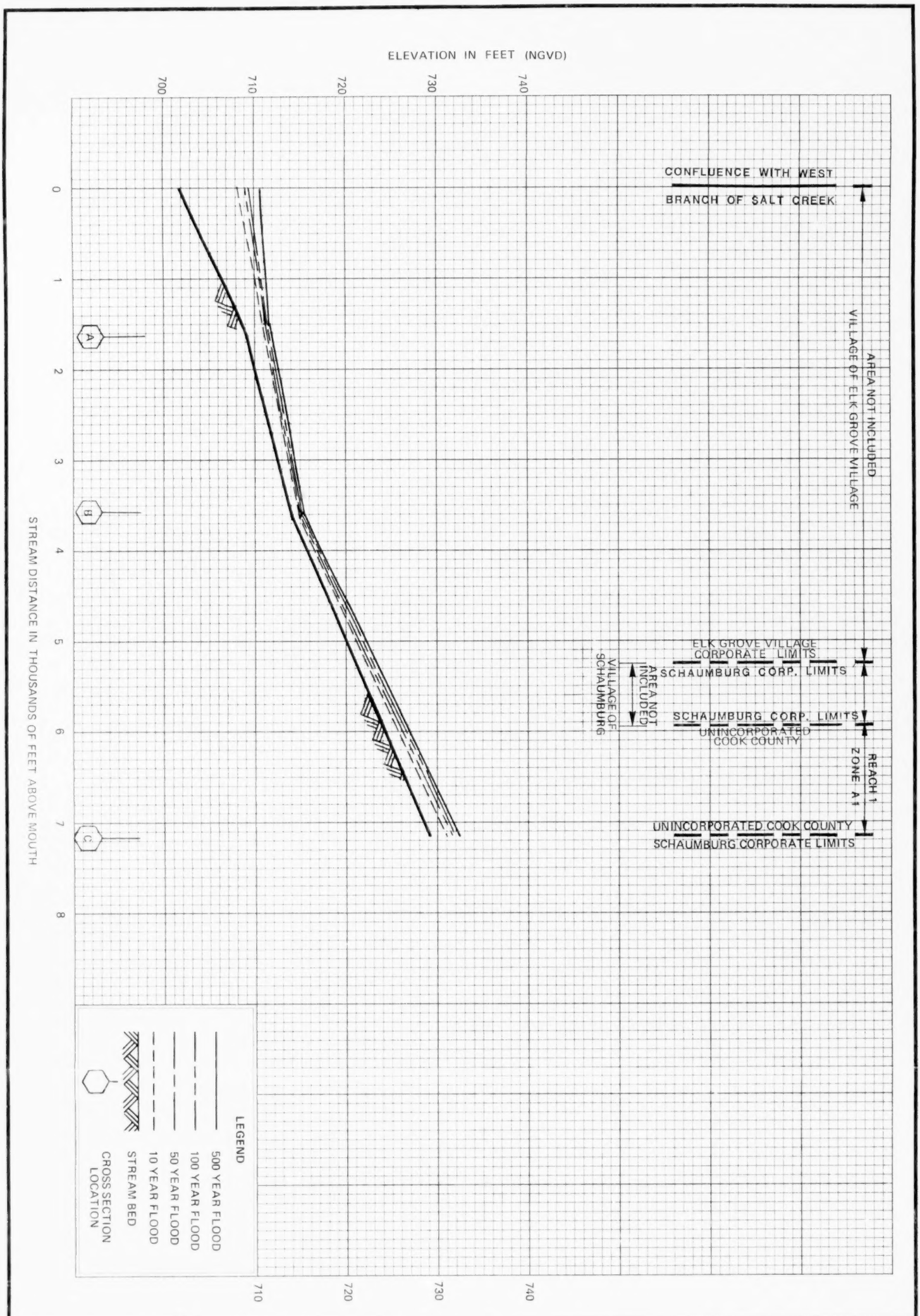
13P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

WEST BRANCH OF SALT CREEK



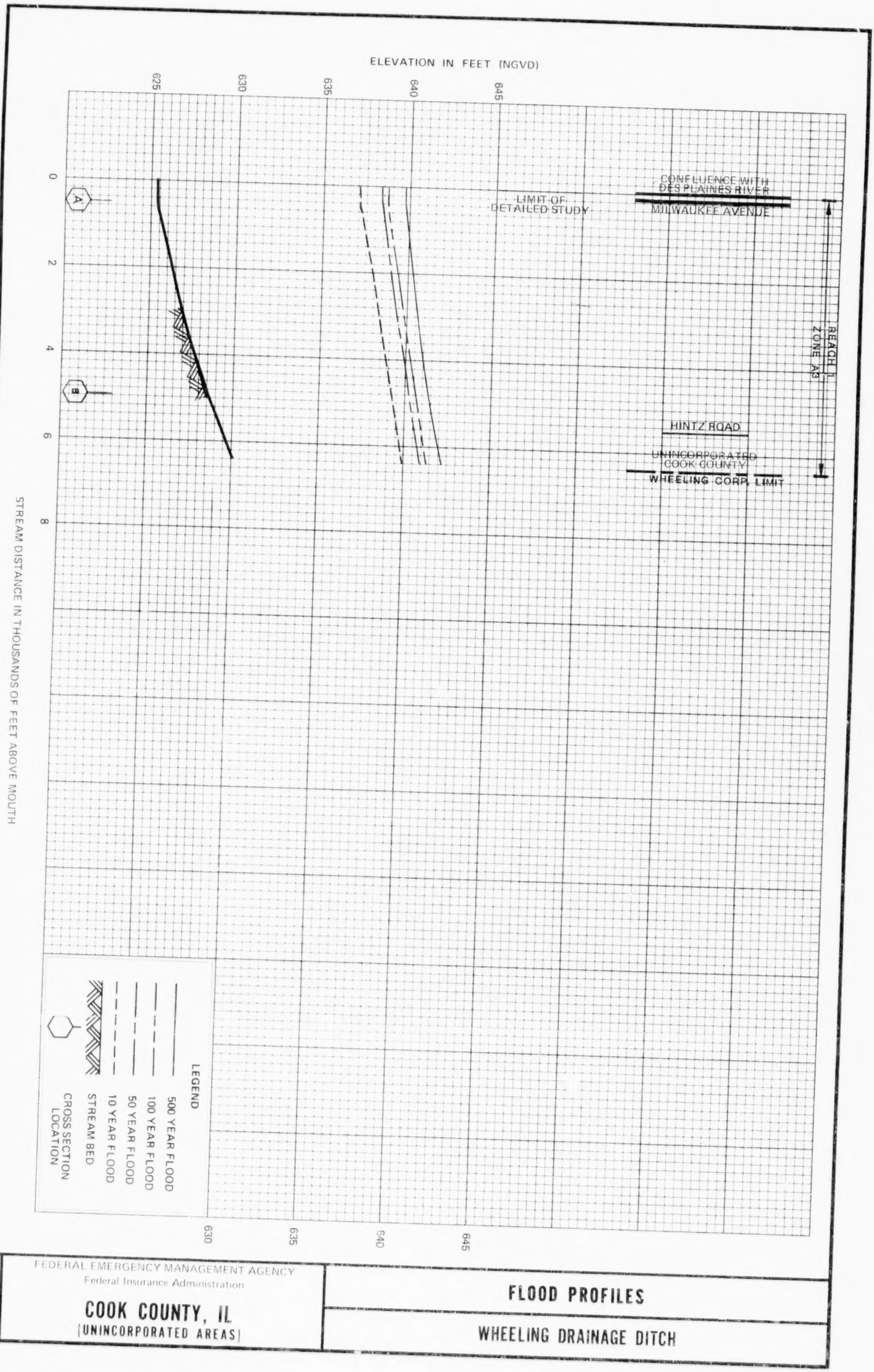
14P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY D OF WEST BRANCH OF SALT CREEK



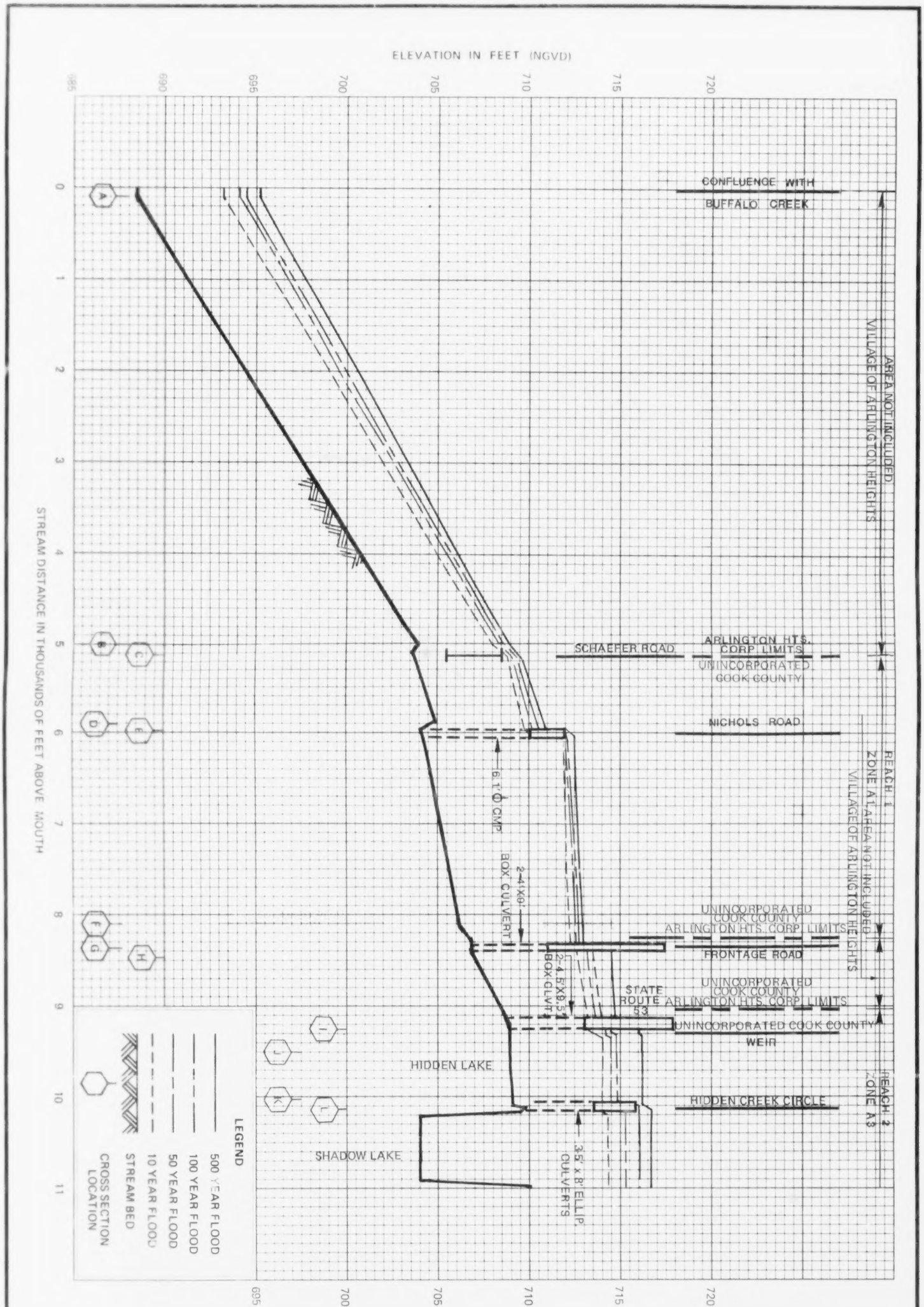
15P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

WHEELING DRAINAGE DITCH



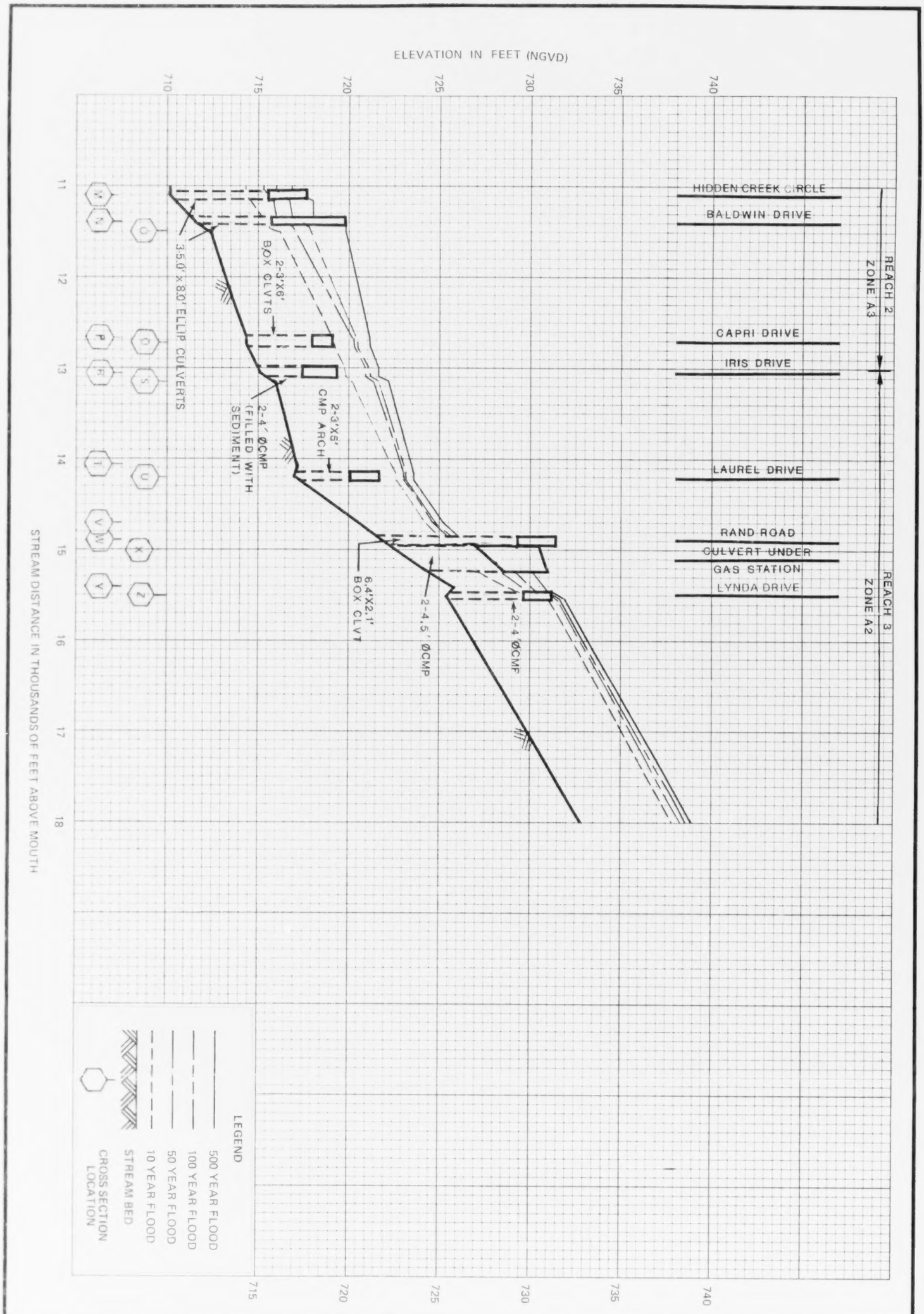
16P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF BUFFALO CREEK



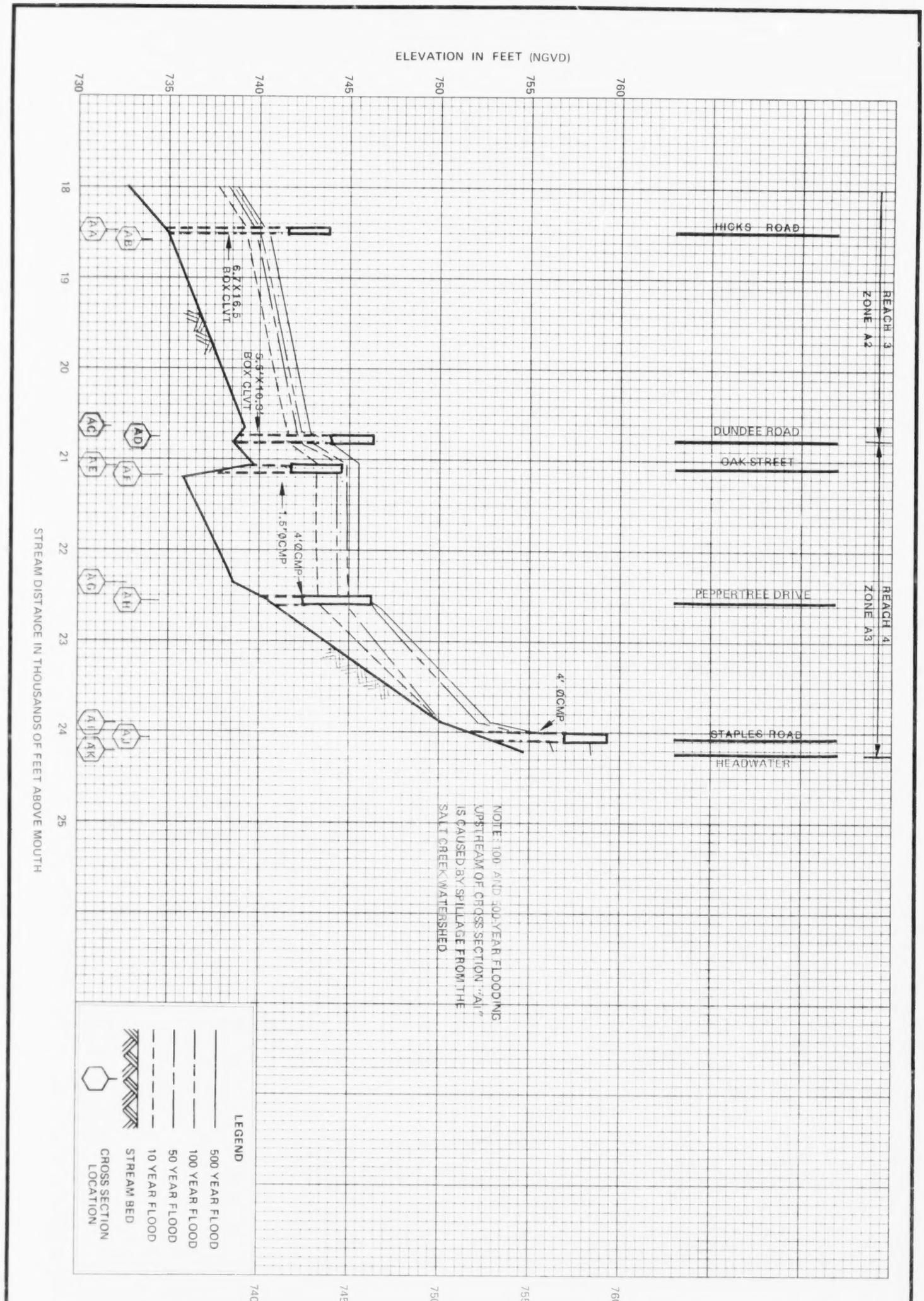
17P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF BUFFALO CREEK



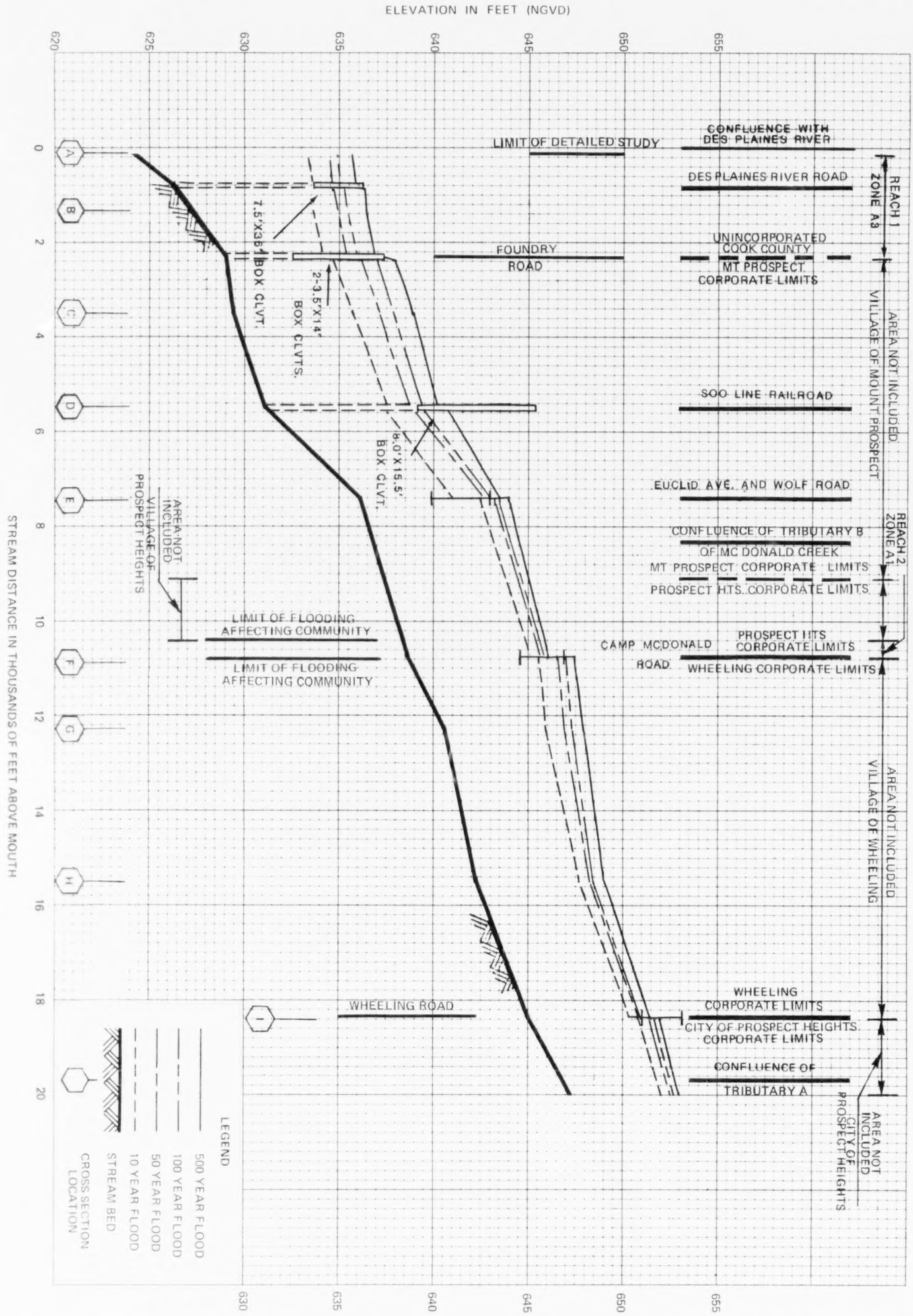
18P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF BUFFALO CREEK



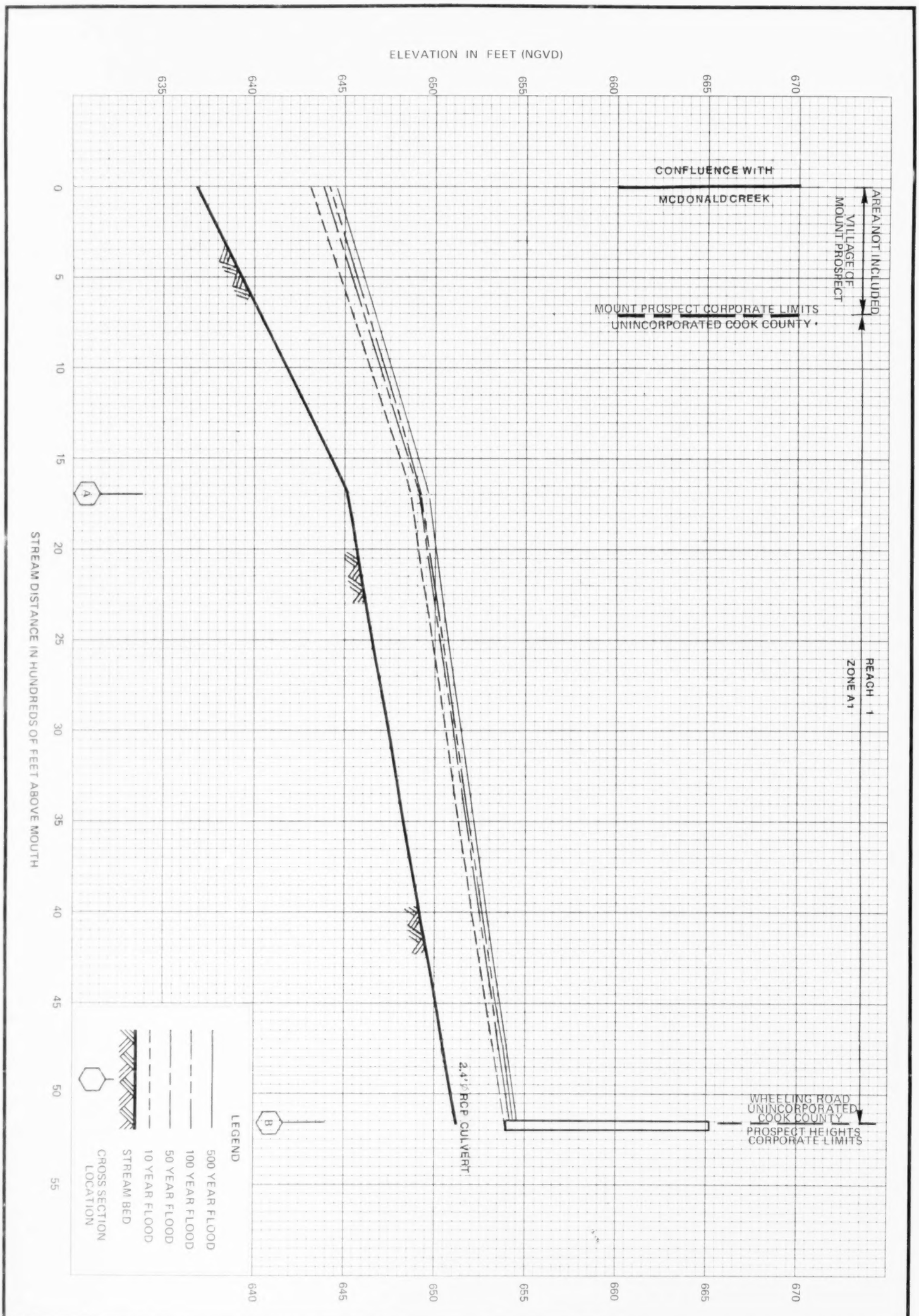
19P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

MCDONALD CREEK



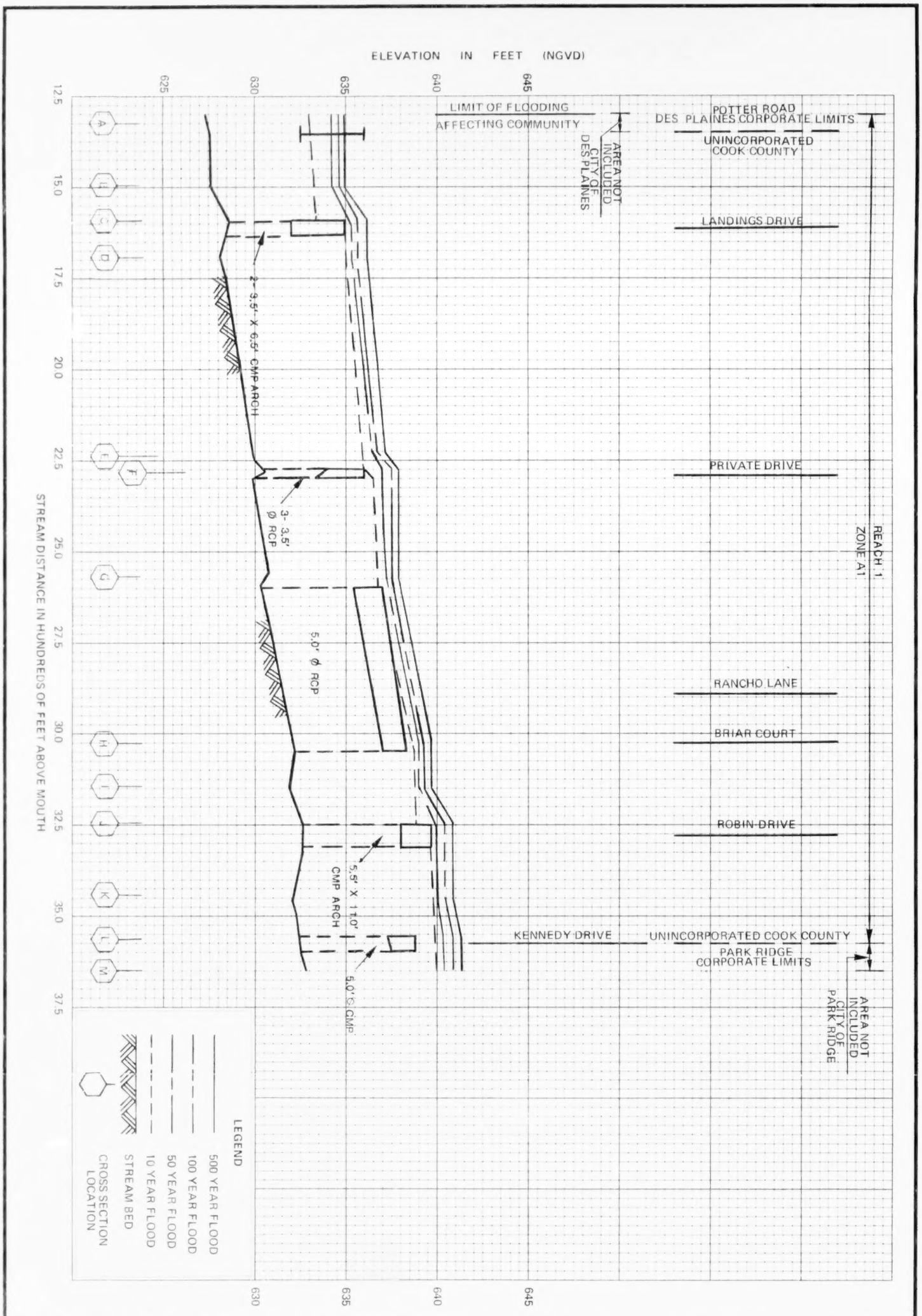
20P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF MCDONALD CREEK



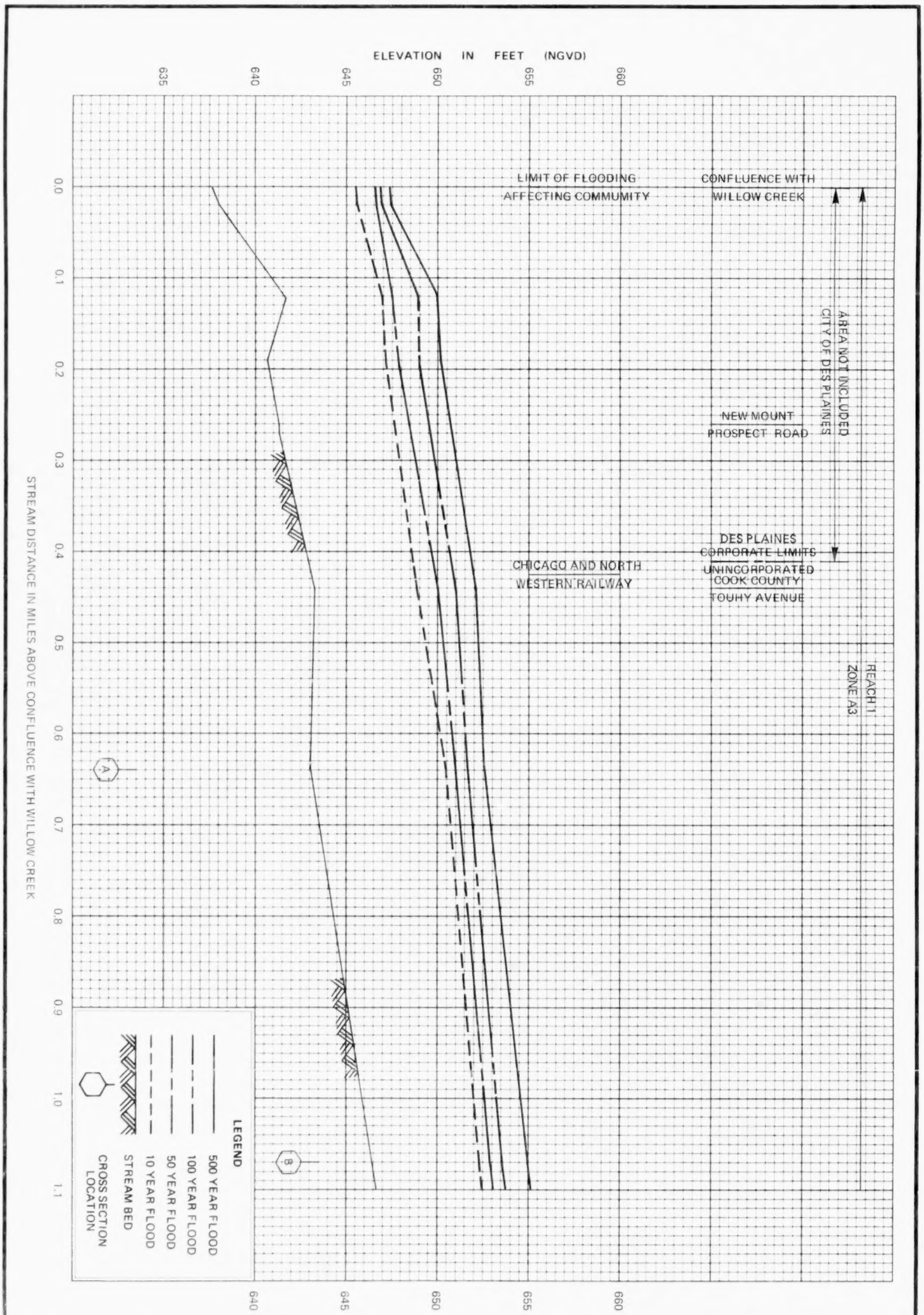
21P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

PRAIRIE CREEK



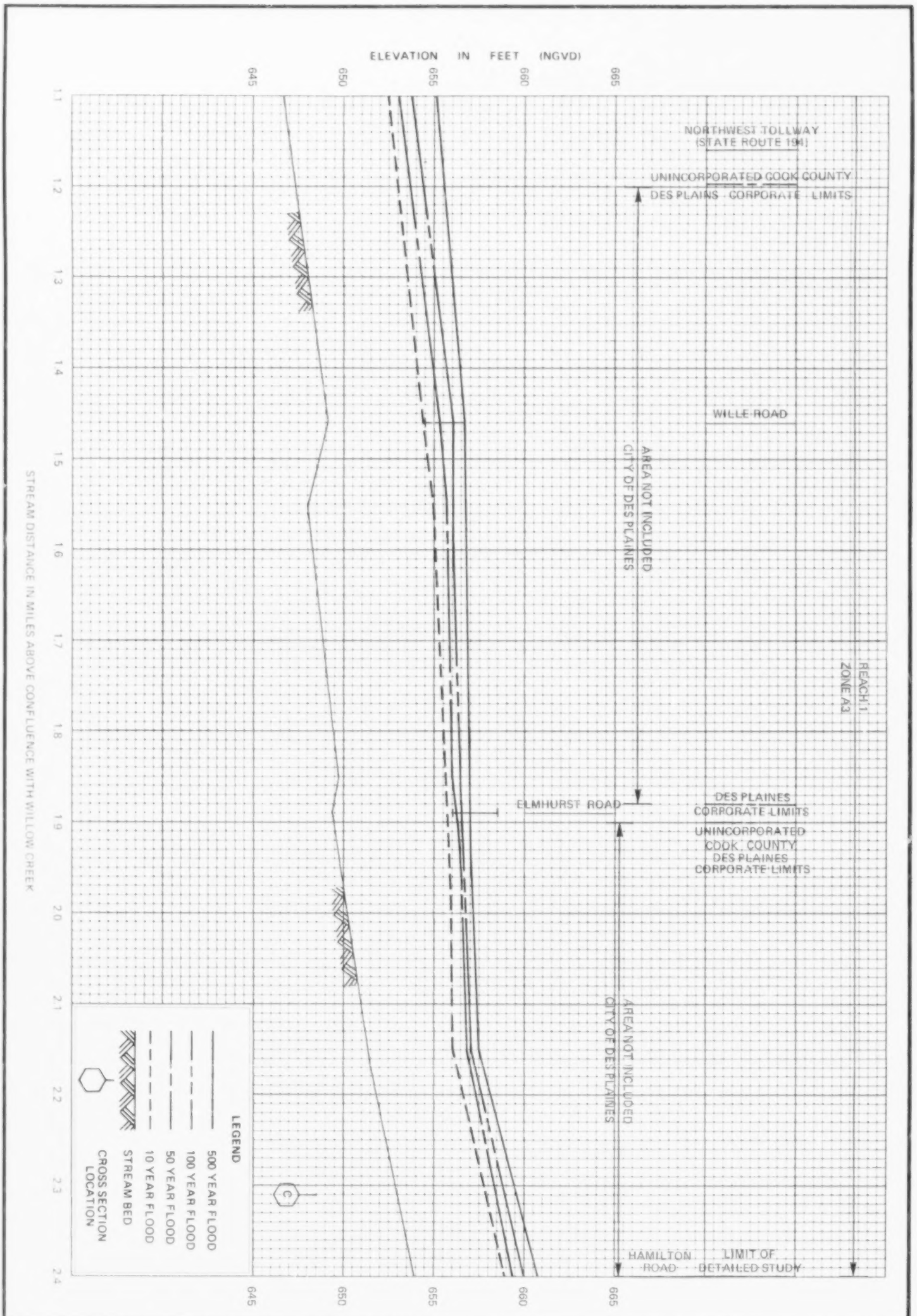
22P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
[UNINCORPORATED AREAS]

FLOOD PROFILES

HIGGINS CREEK



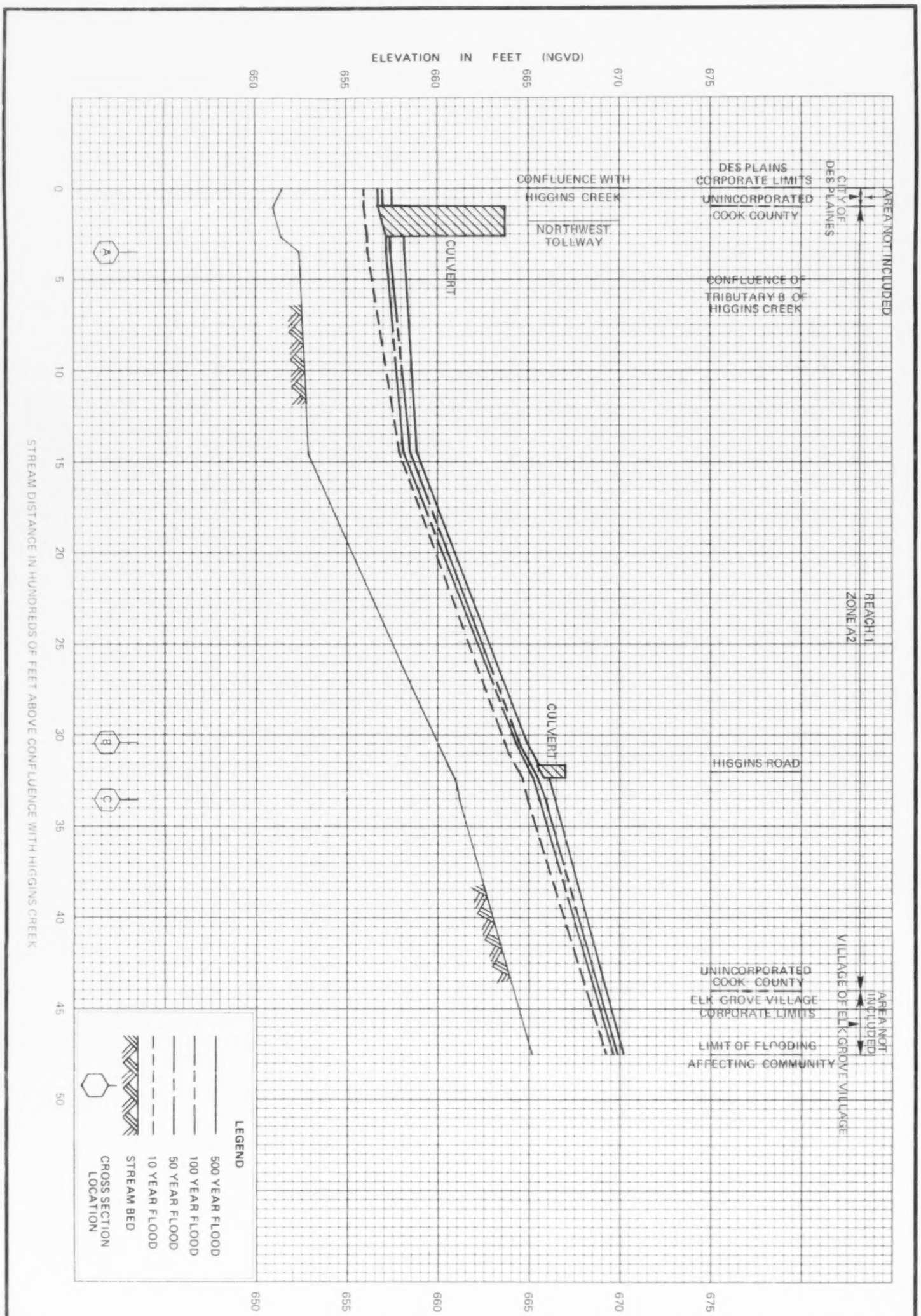
23P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

HIGGINS CREEK



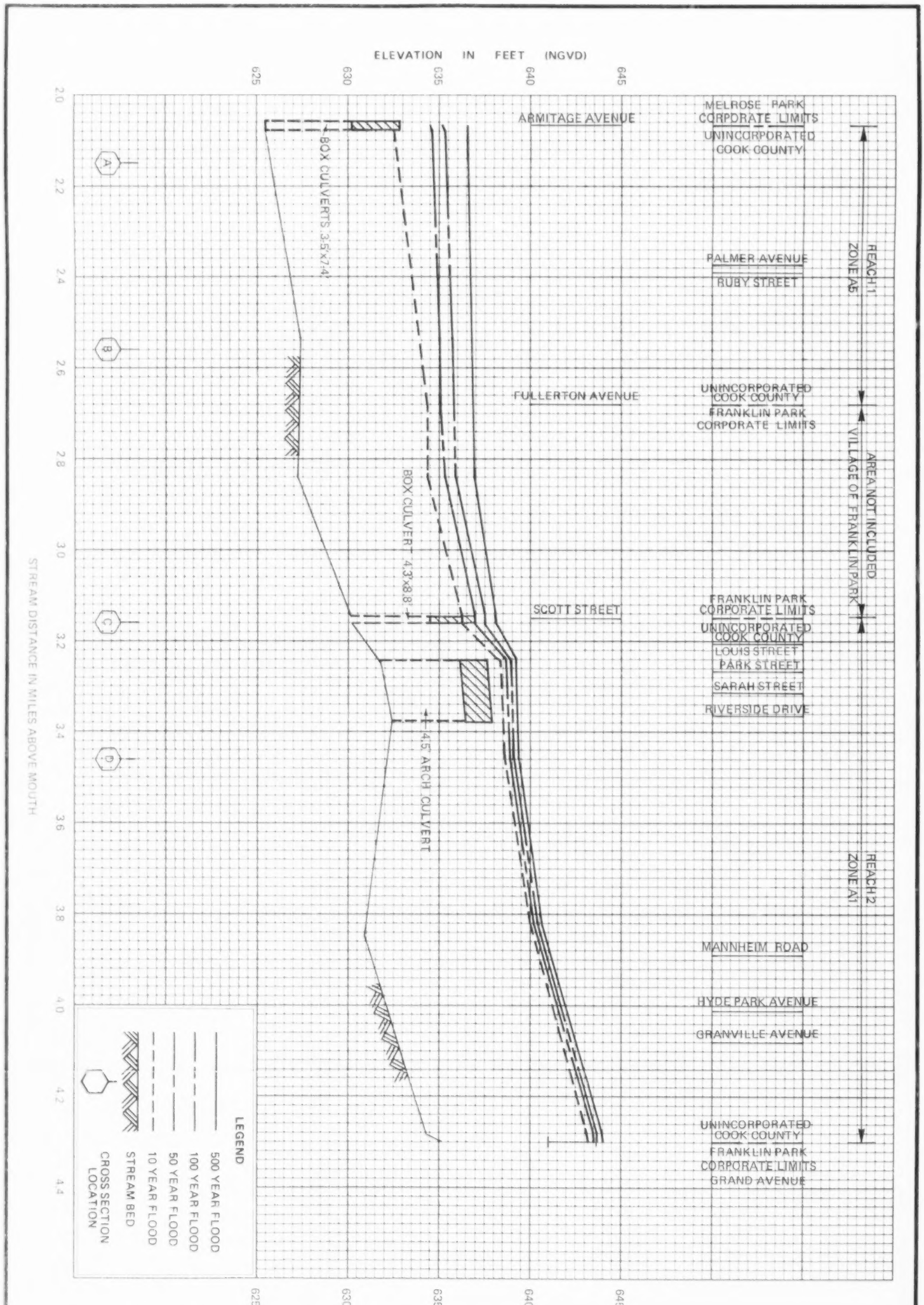
24P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF HIGGINS CREEK



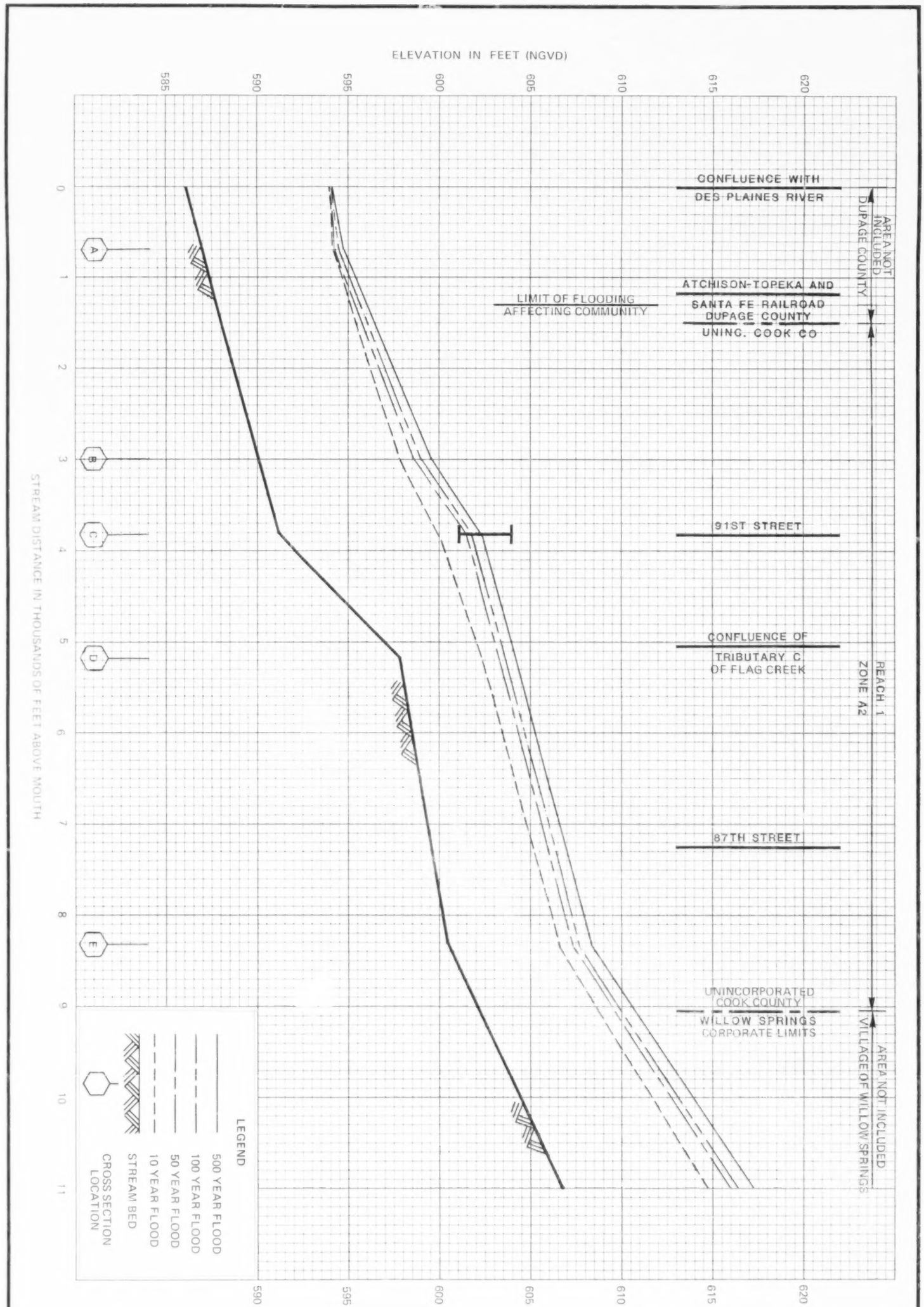
25P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

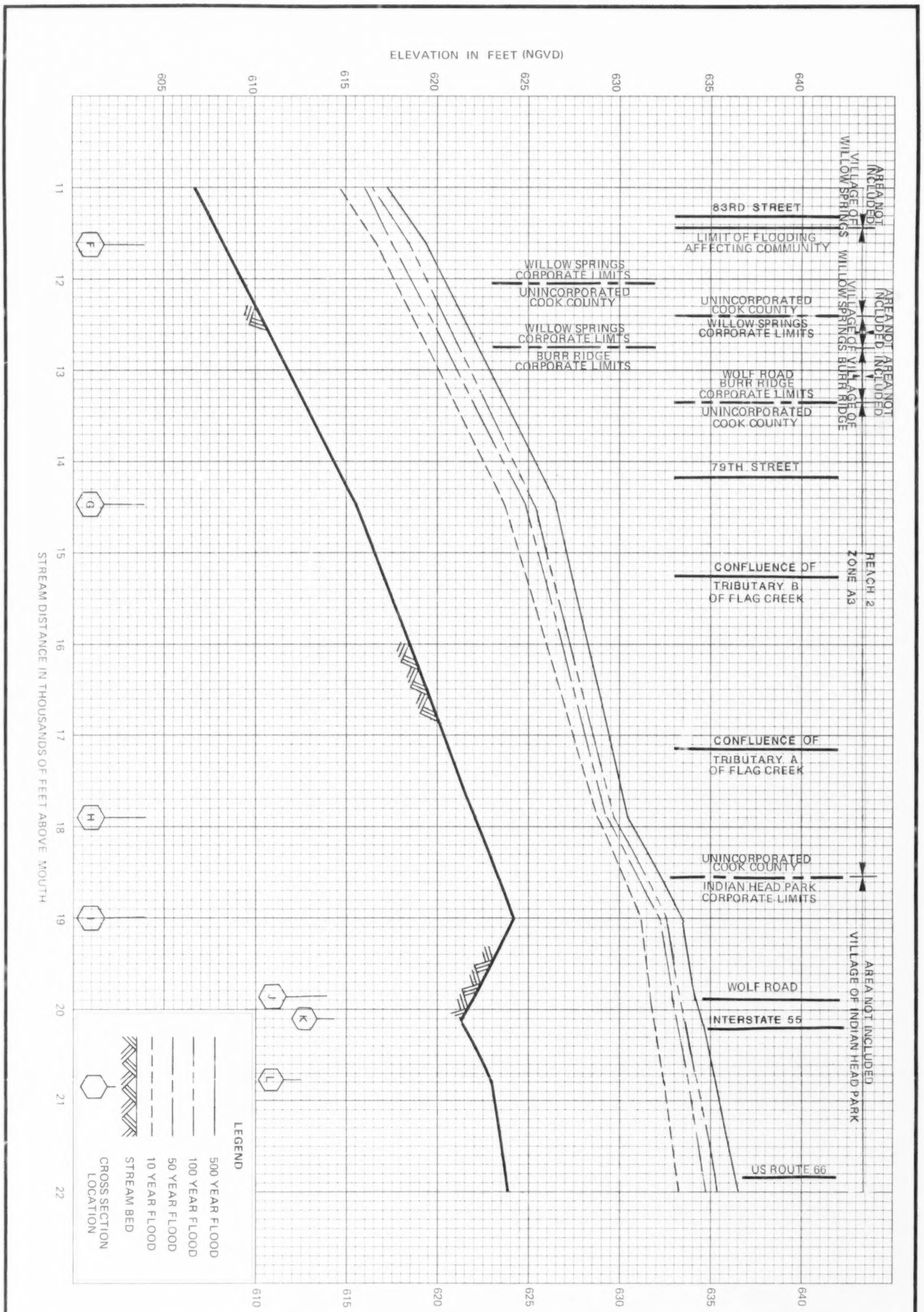
COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

SILVER CREEK



26P	FEDERAL EMERGENCY MANAGEMENT AGENCY Federal Insurance Administration **COOK COUNTY, IL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **FLAG CREEK**



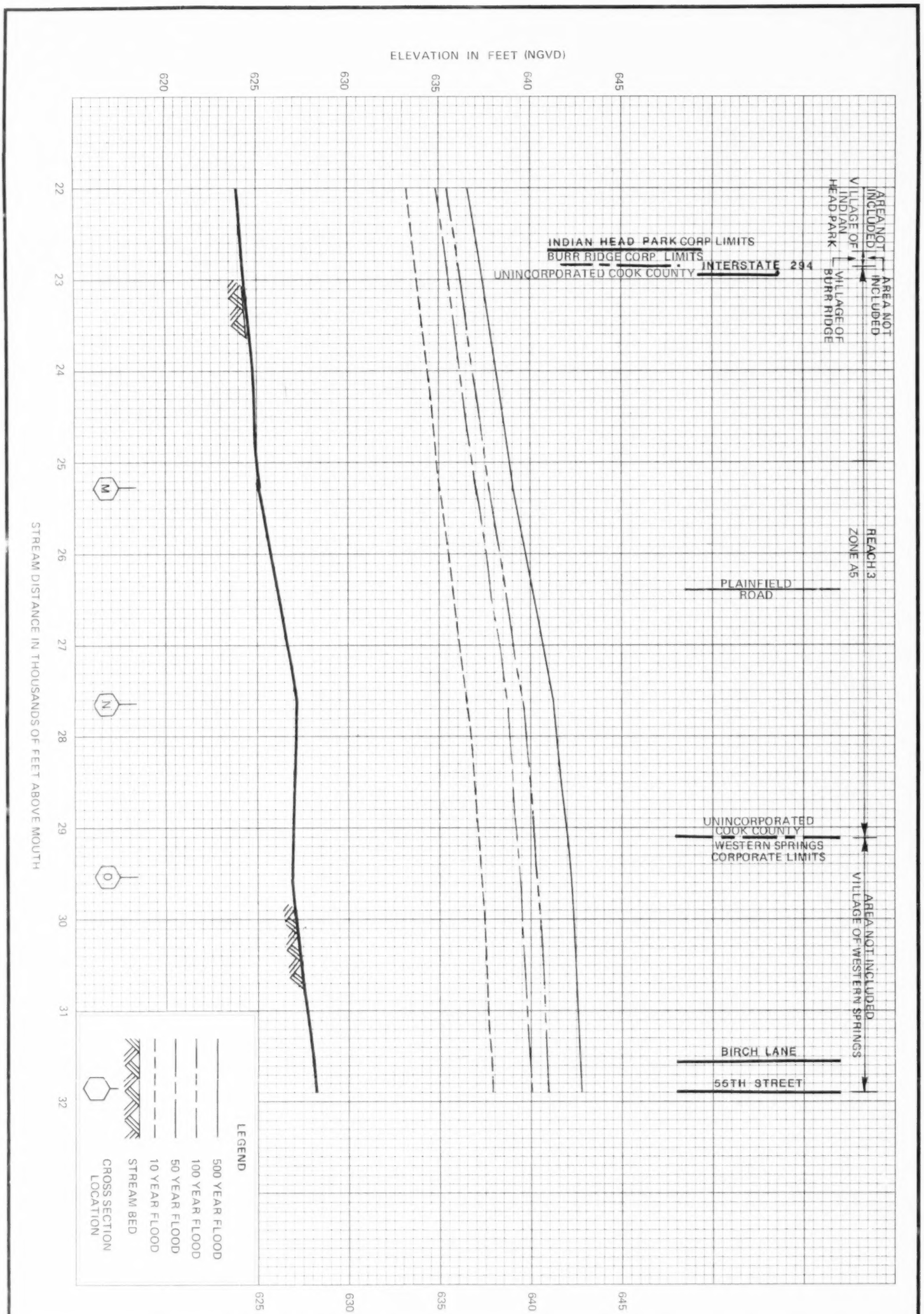
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

FLAG CREEK

27P



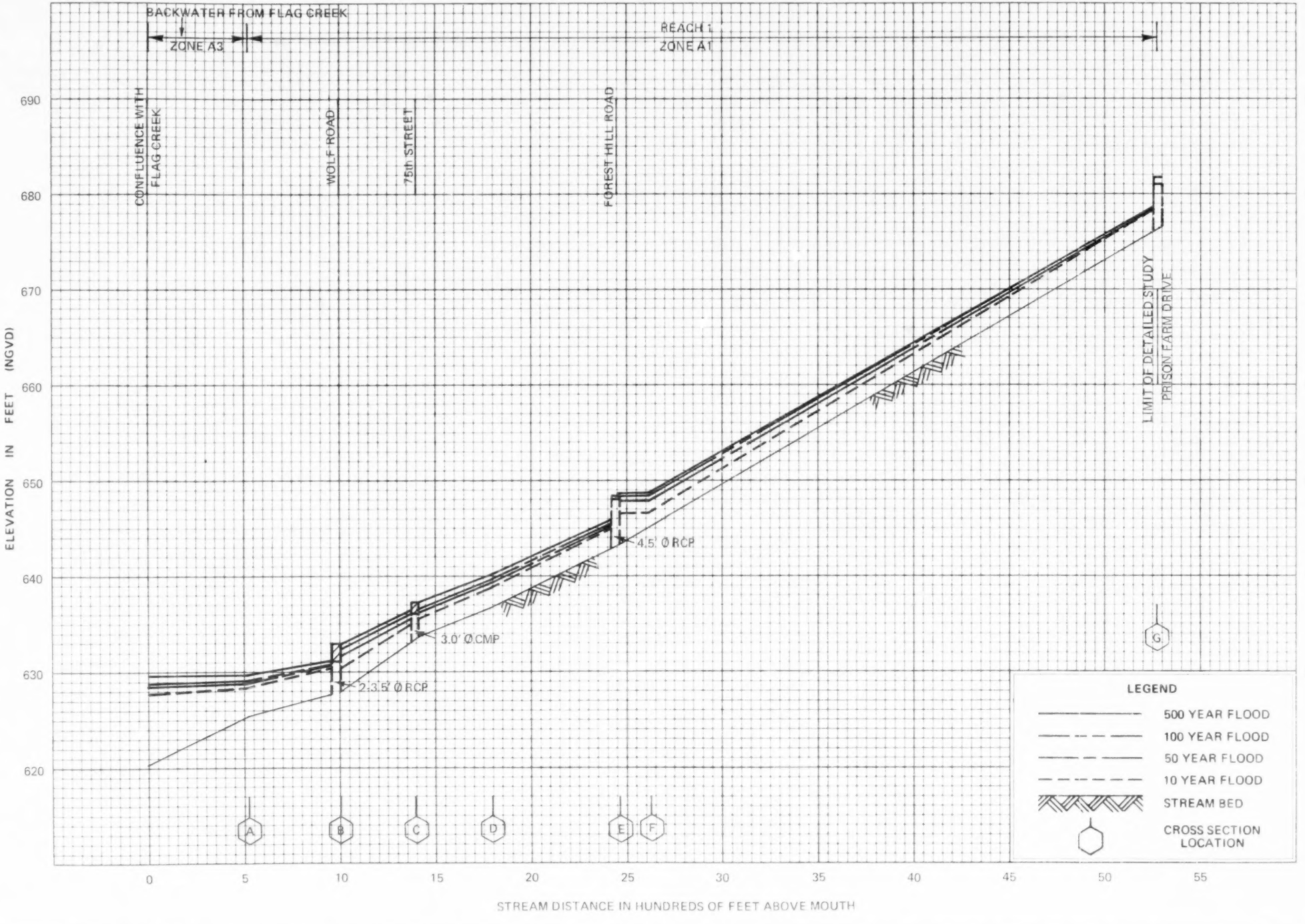
28P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

FLAG CREEK



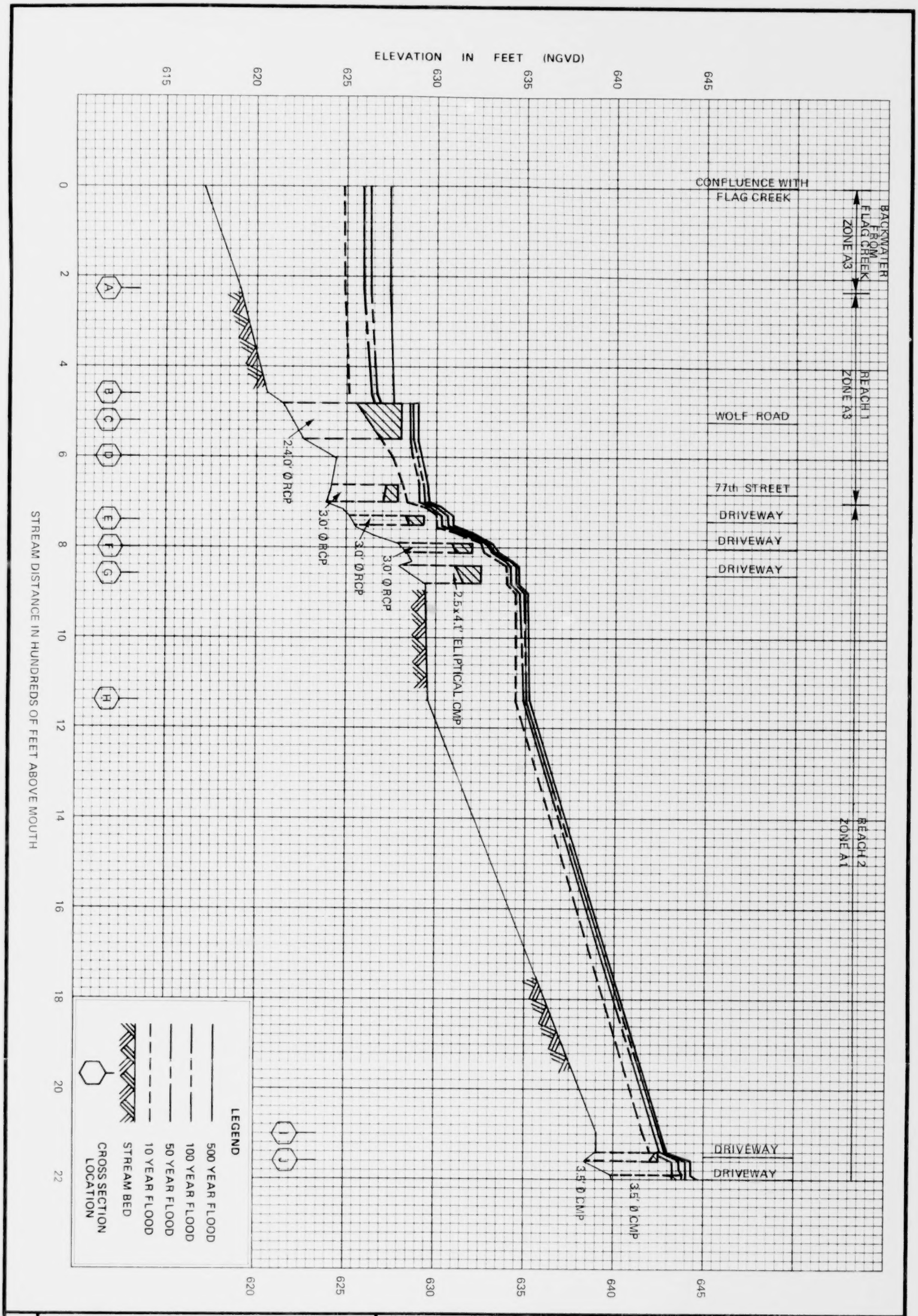
FLOOD PROFILES

TRIBUTARY A OF FLAG CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

29P



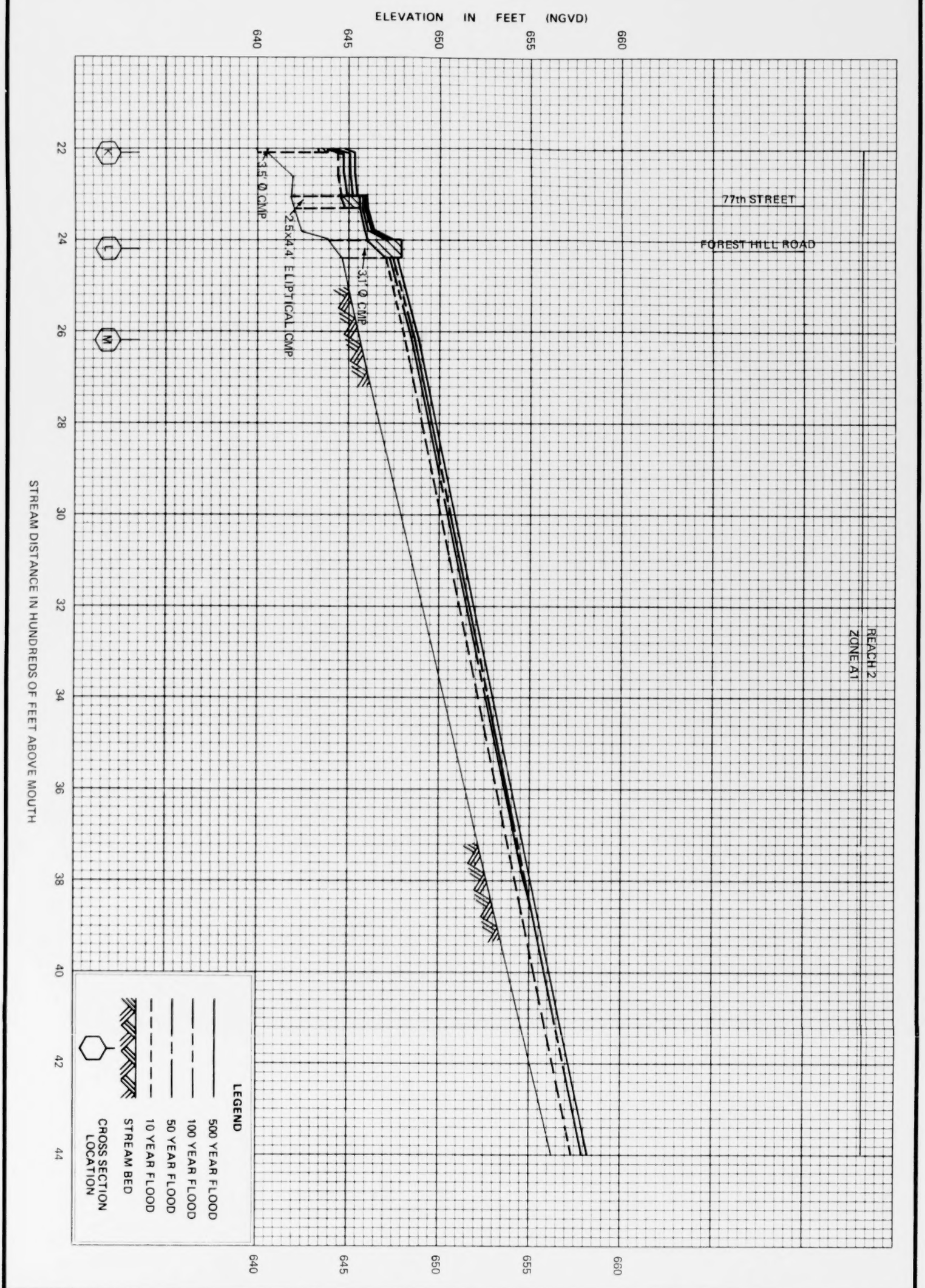
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

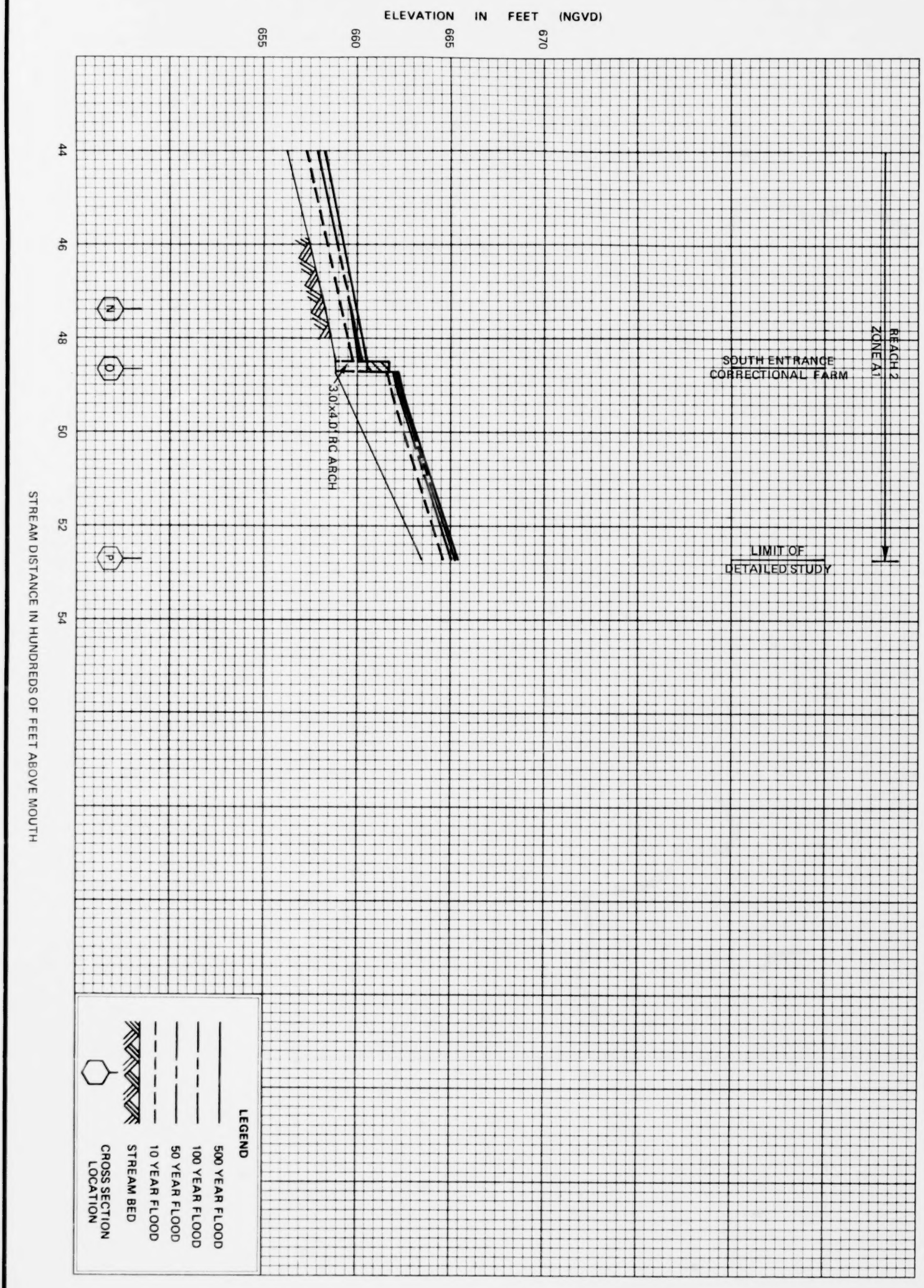
FLOOD PROFILES

TRIBUTARY B OF FLAG CREEK

30P



31P	FEDERAL EMERGENCY MANAGEMENT AGENCY Federal Insurance Administration **COOK COUNTY, IL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **TRIBUTARY B OF FLAG CREEK**



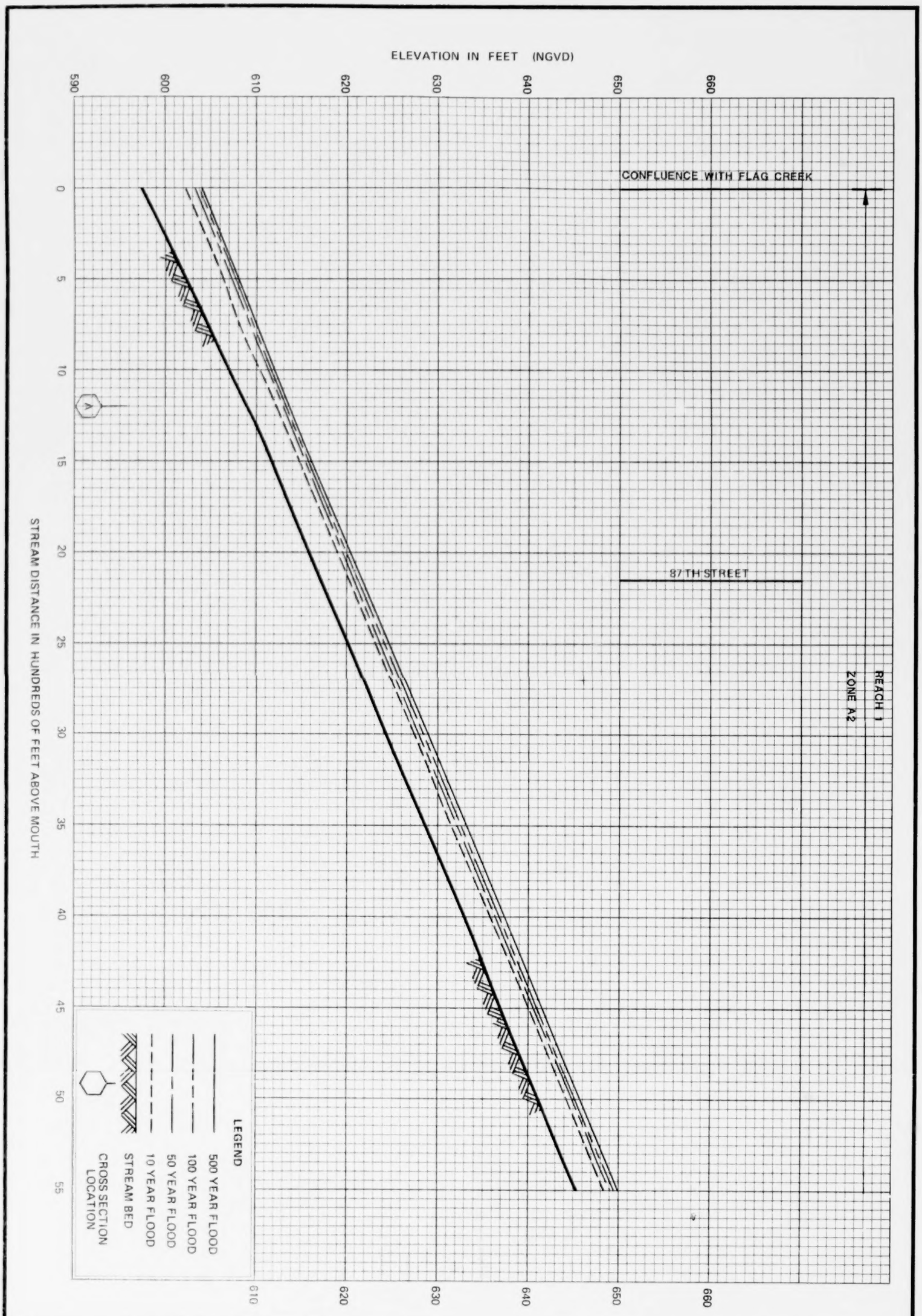
32P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF FLAG CREEK



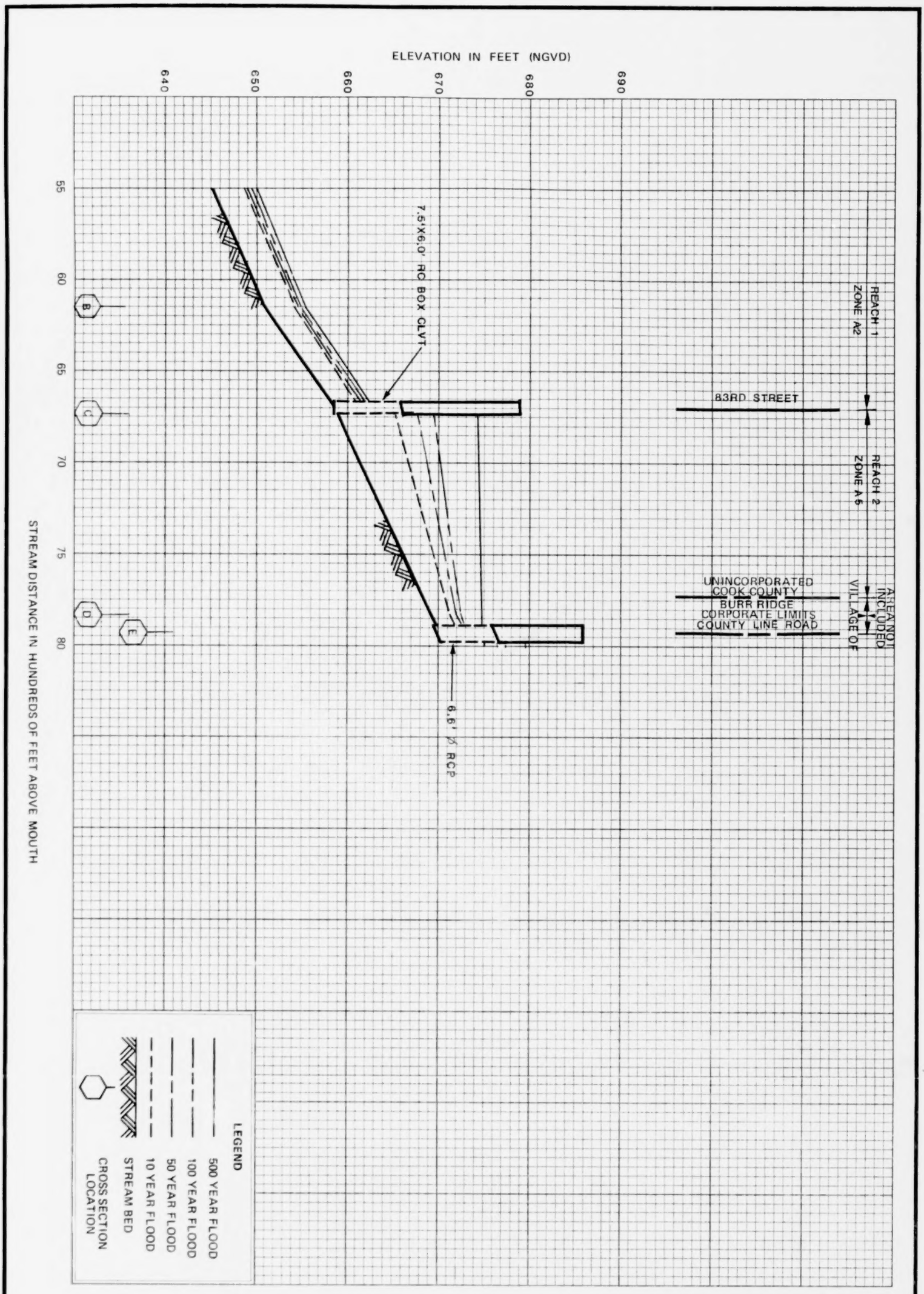
33P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY C OF FLAG CREEK



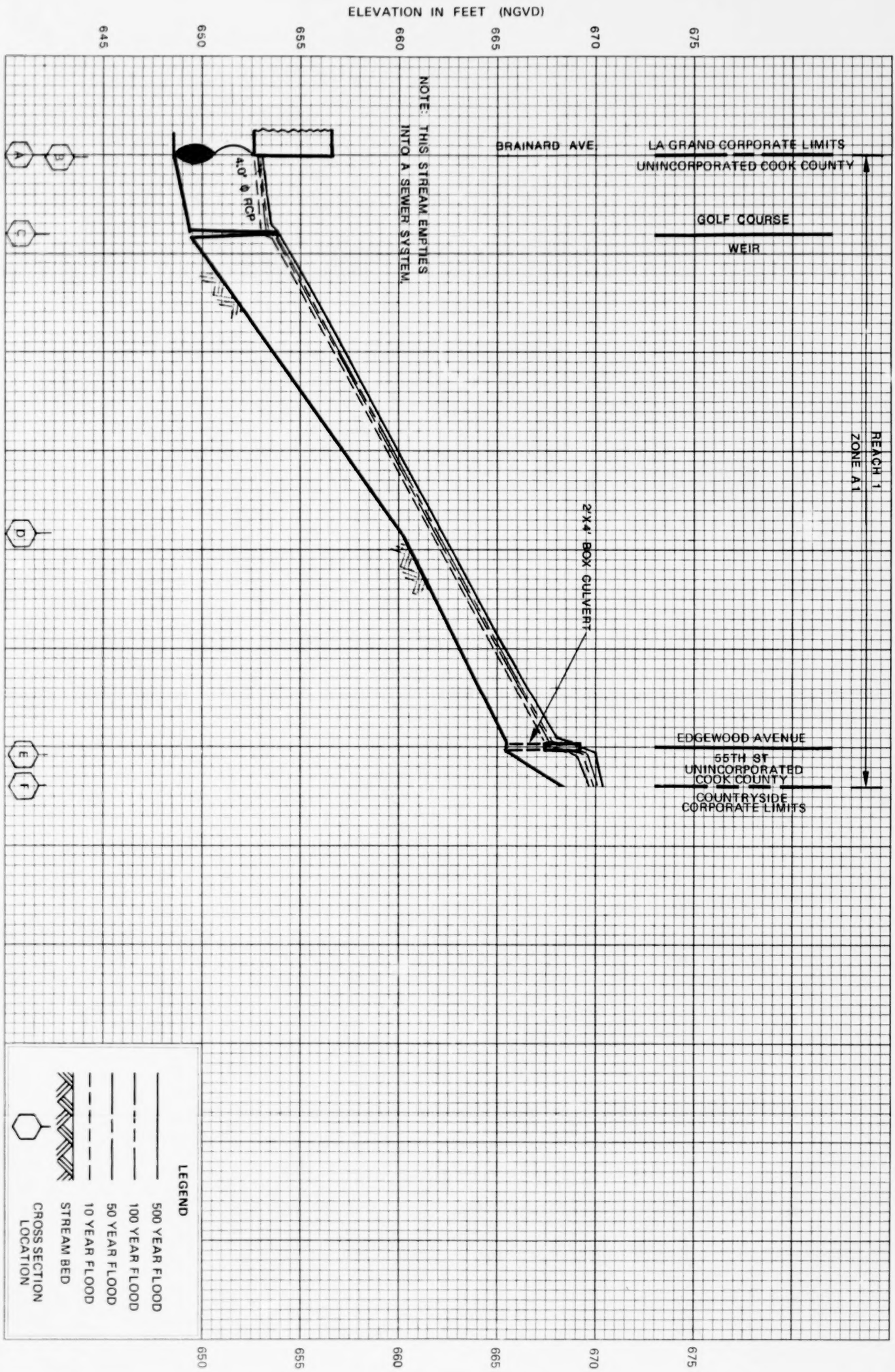
34P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY C OF FLAG CREEK



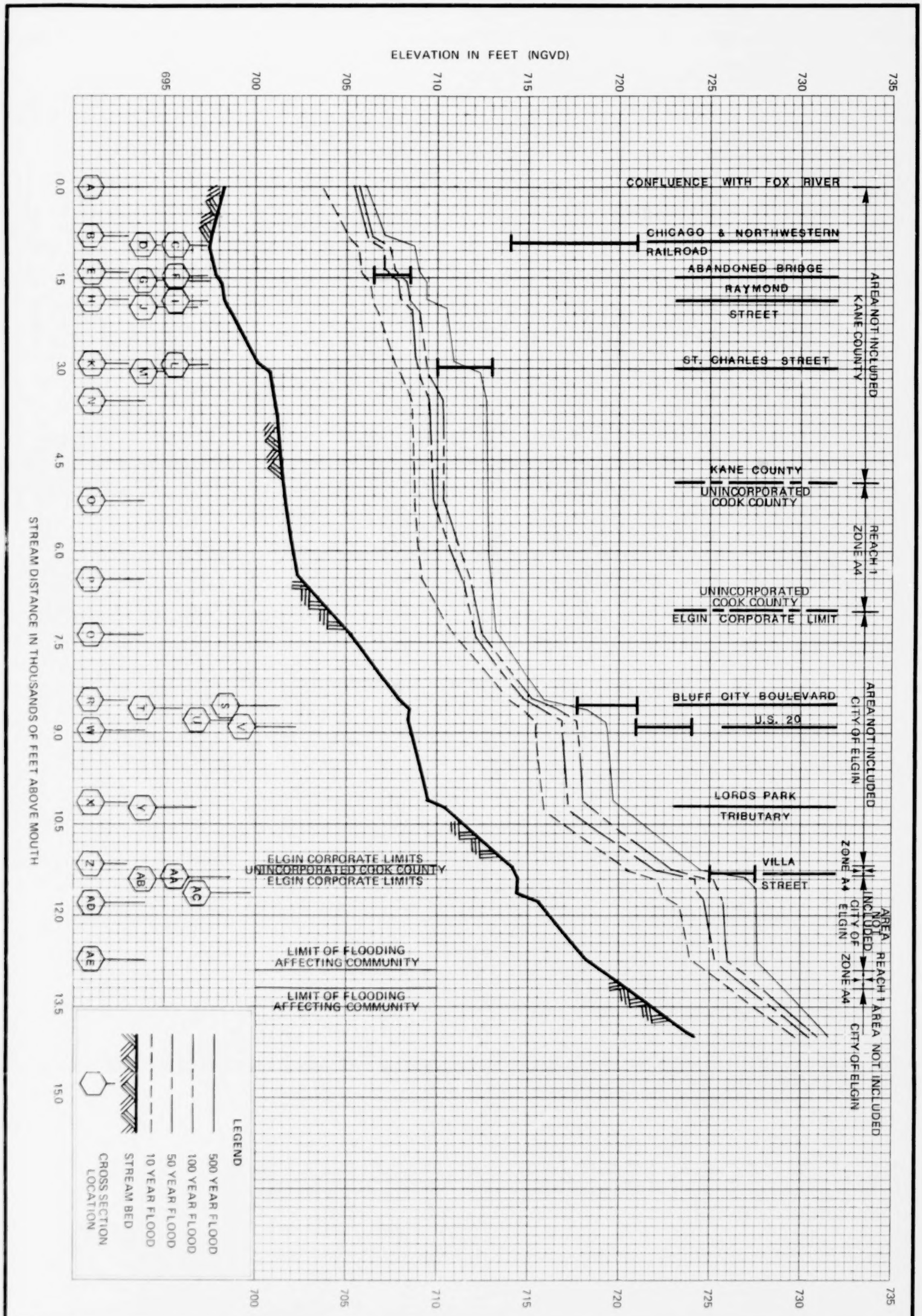
35P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF DES PLAINES RIVER



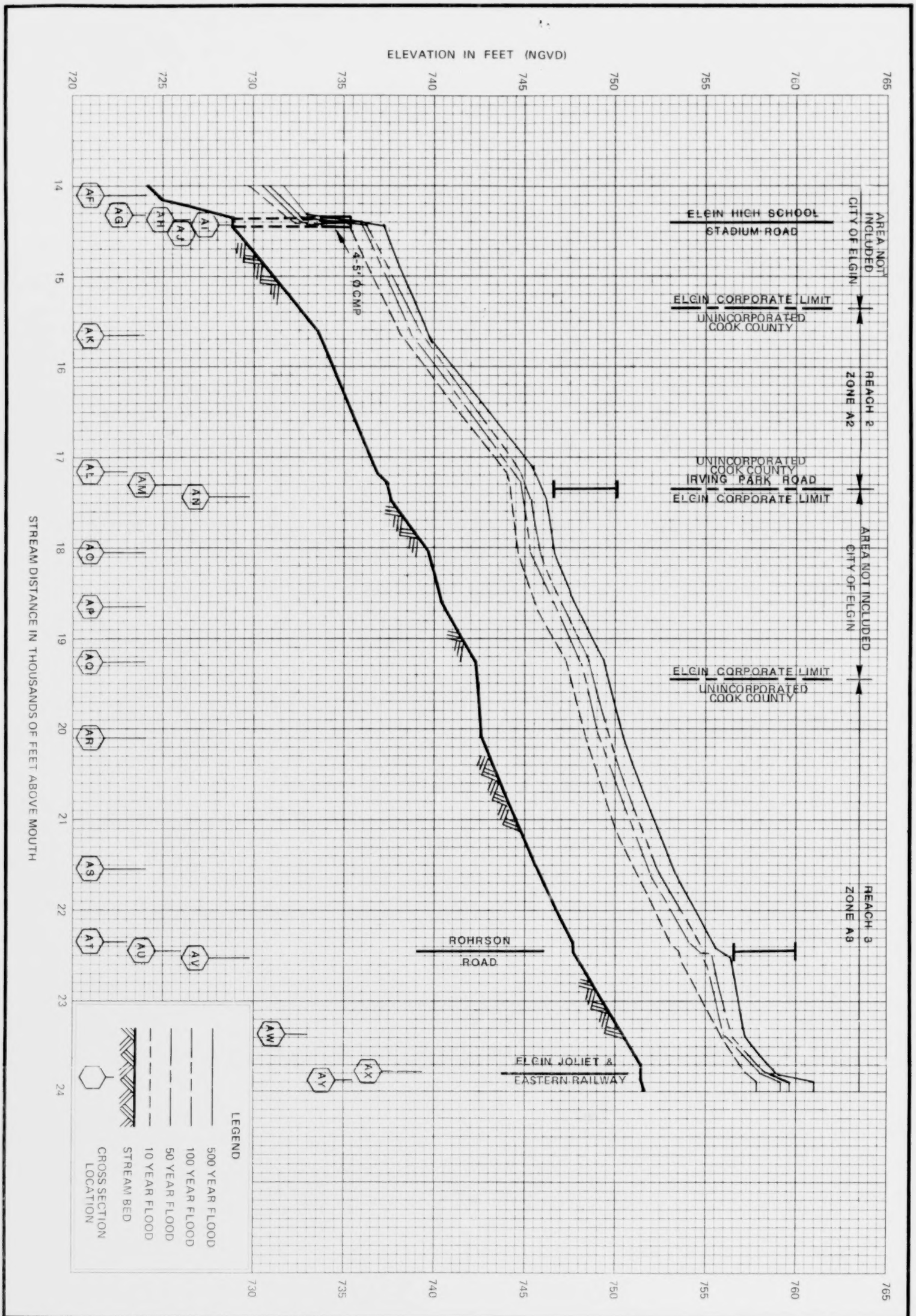
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

POPLAR CREEK

36P



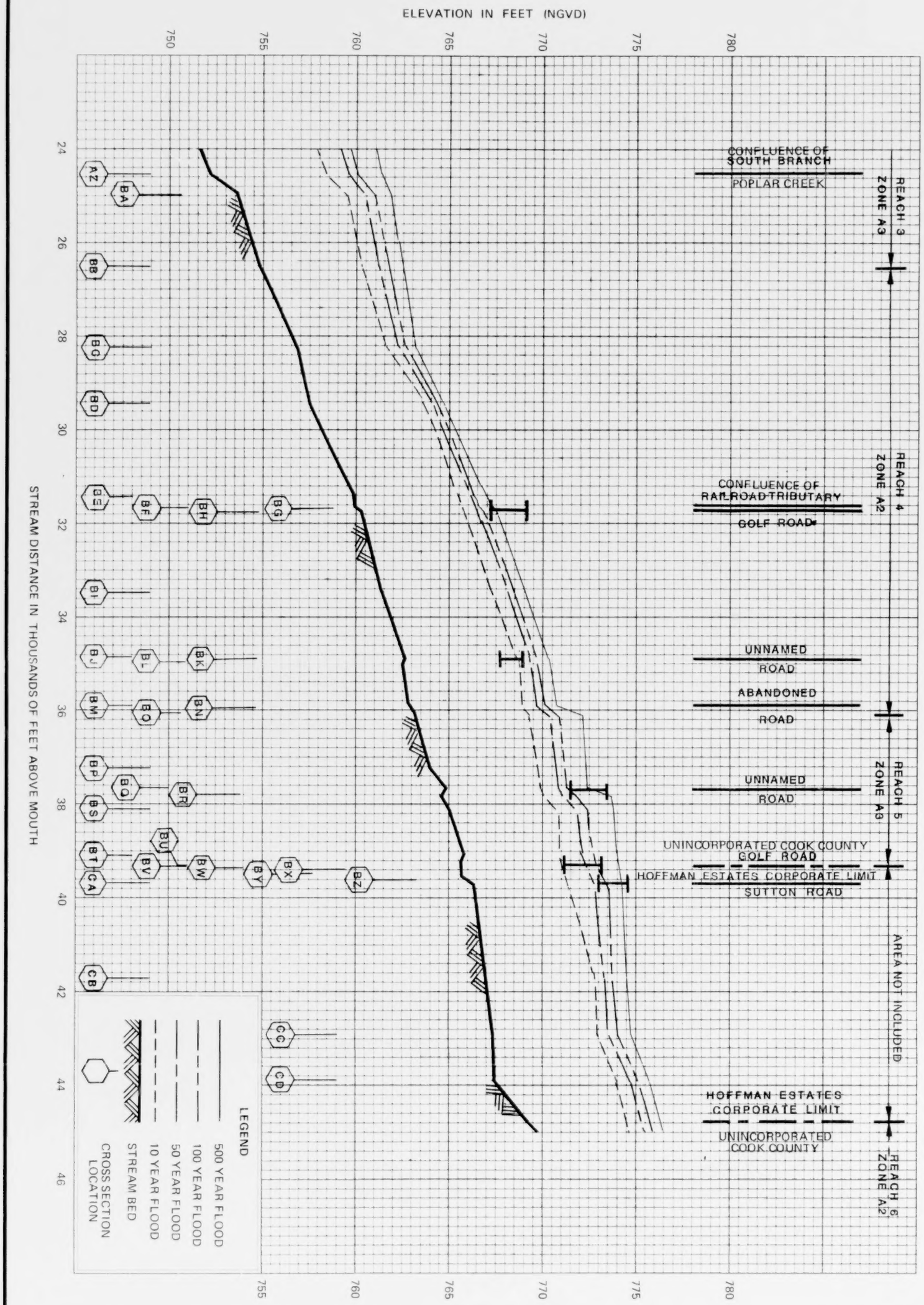
37P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

POPLAR CREEK



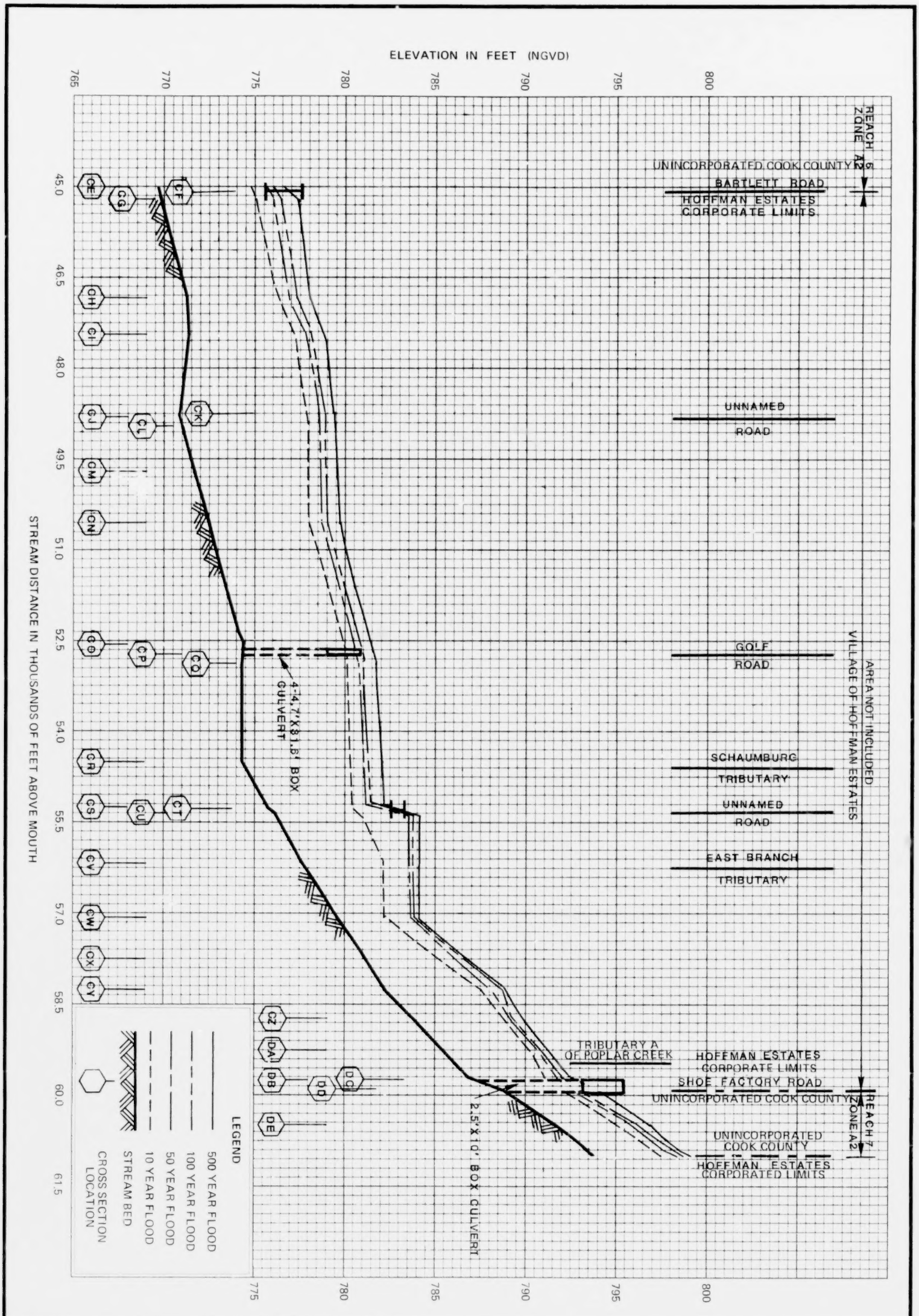
38P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

POPLAR CREEK



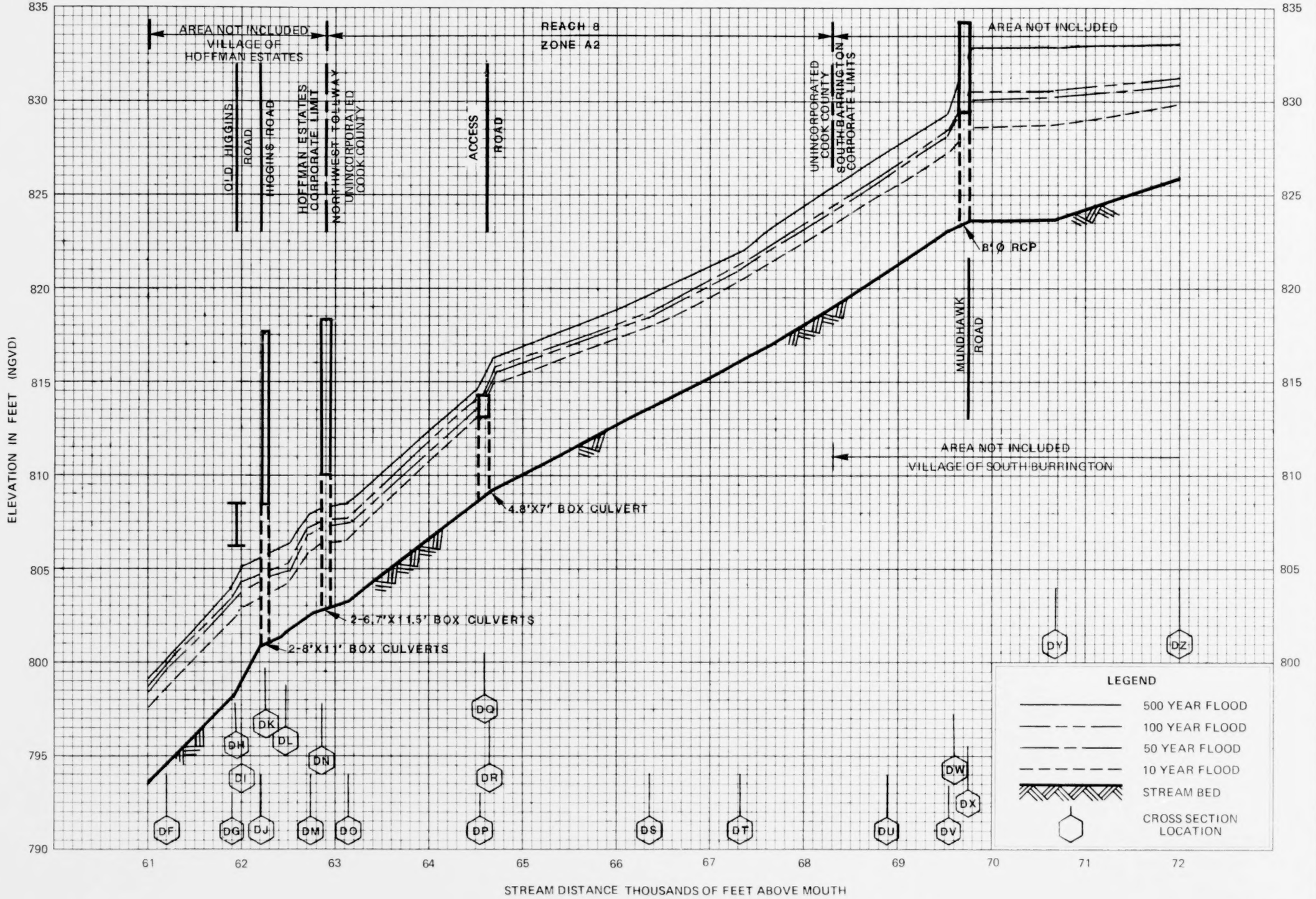
39P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

POPLAR CREEK



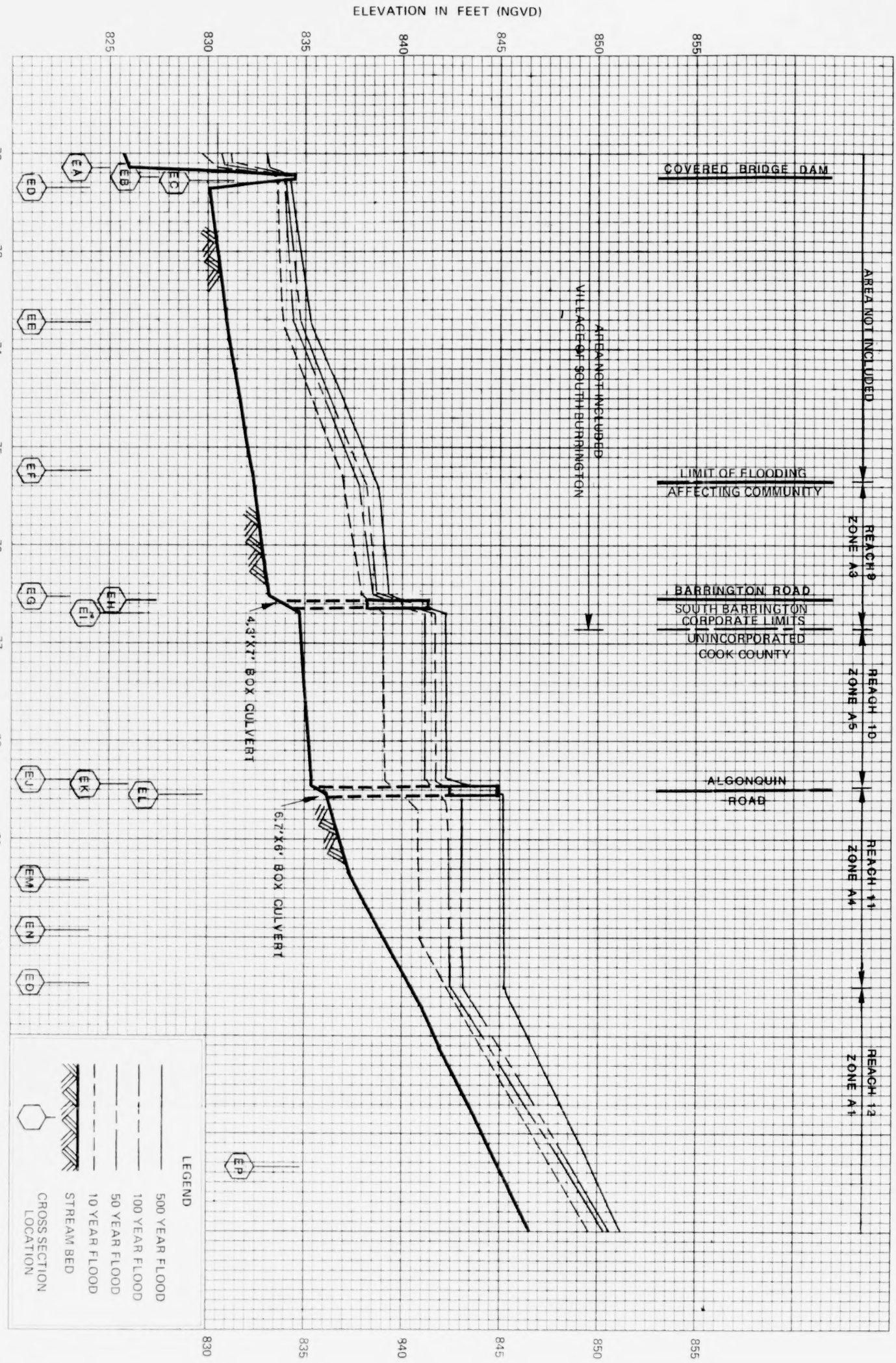
FLOOD PROFILES

POPLAR CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

40P



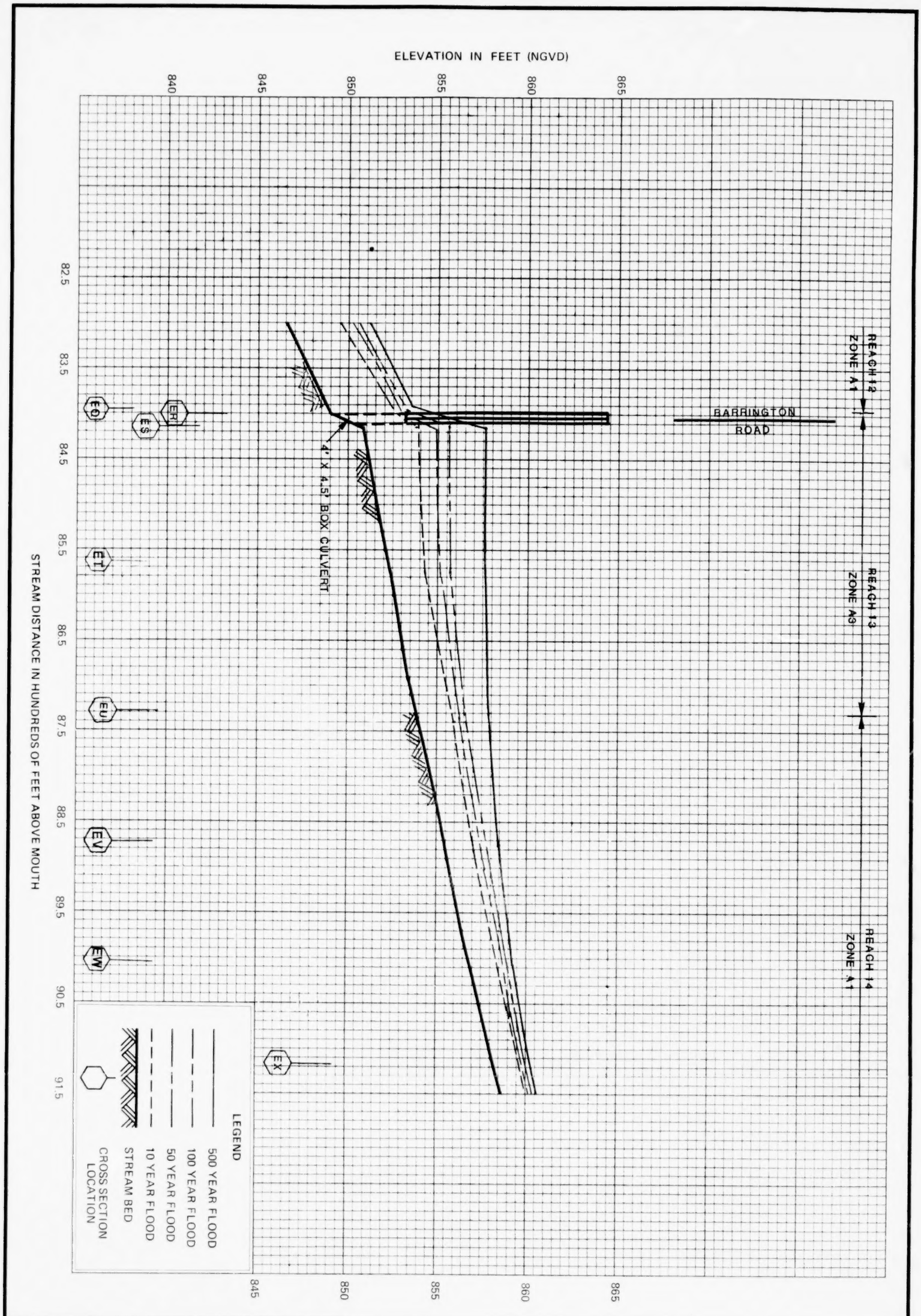
41P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

POPLAR CREEK



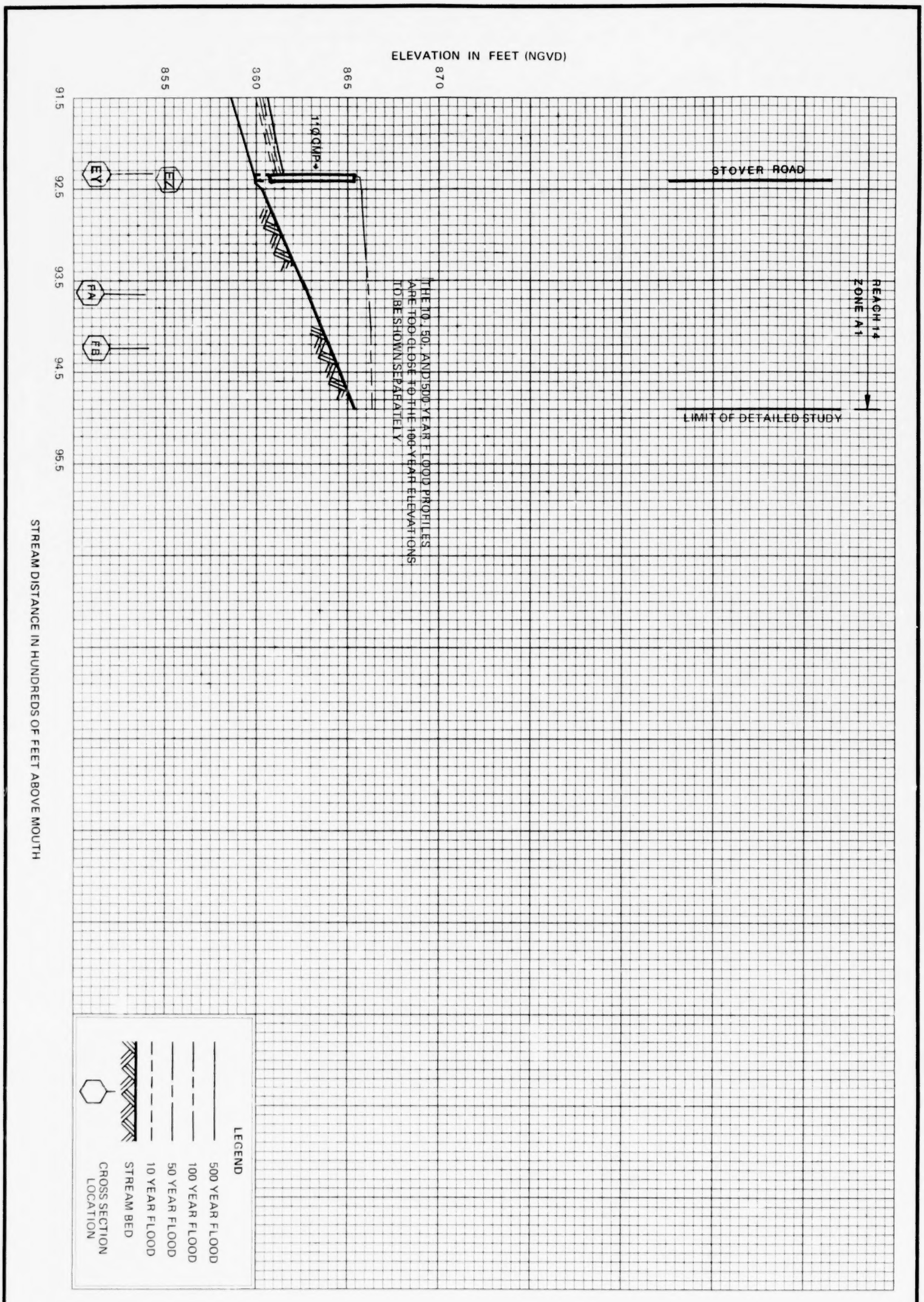
42P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

POPLAR CREEK



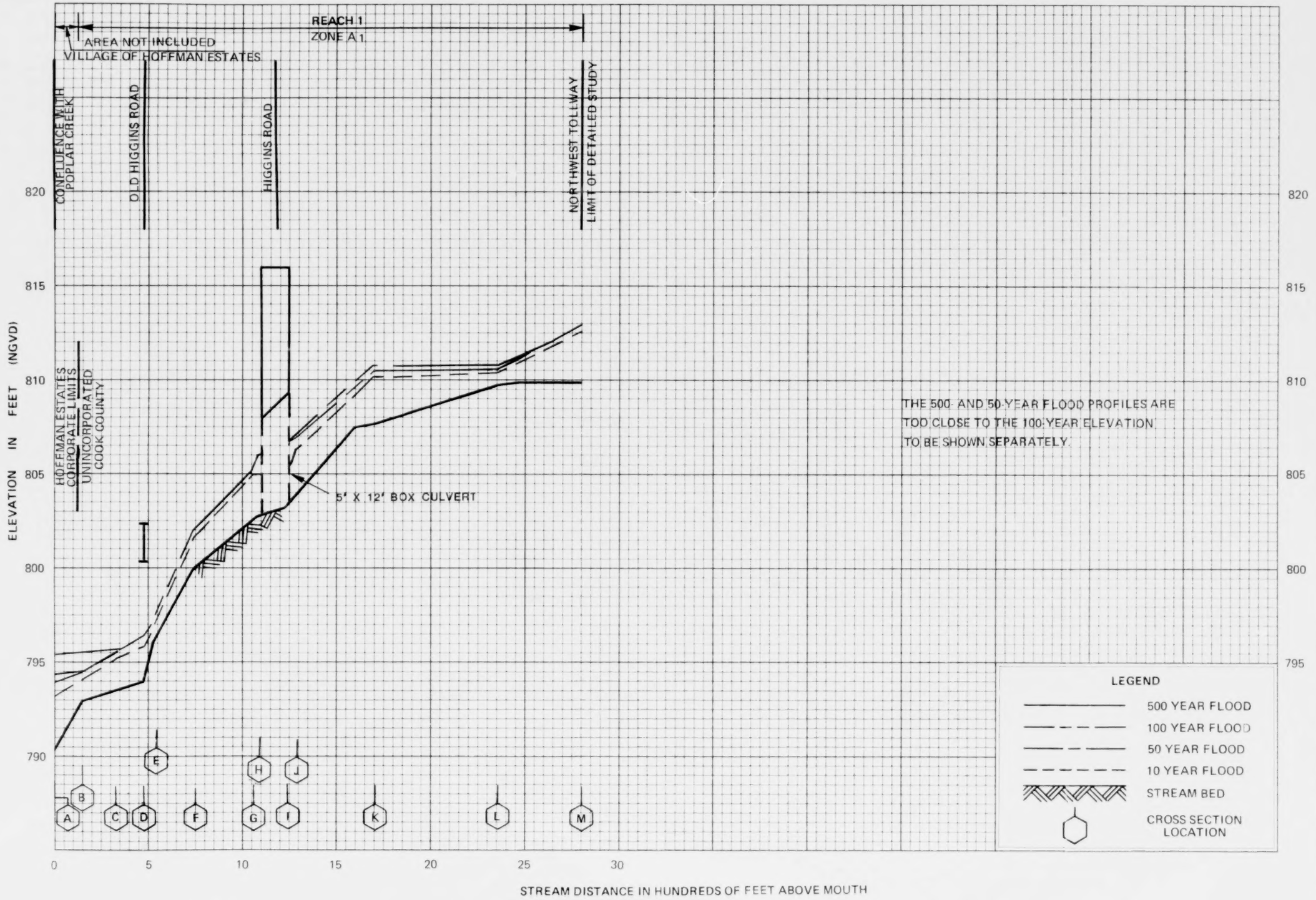
43P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

POPLAR CREEK

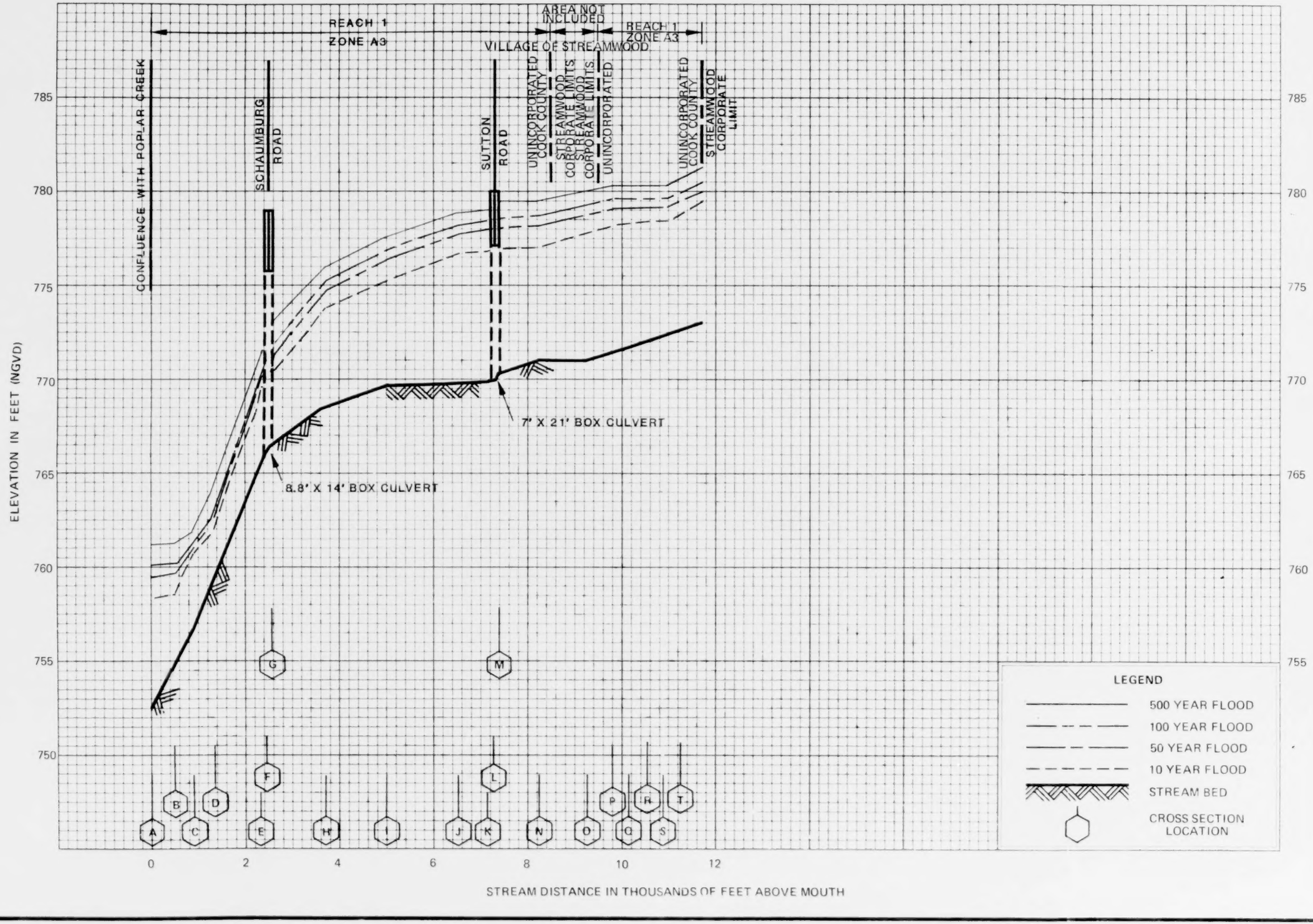


FLOOD PROFILES

TRIBUTARY A OF POPLAR CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)



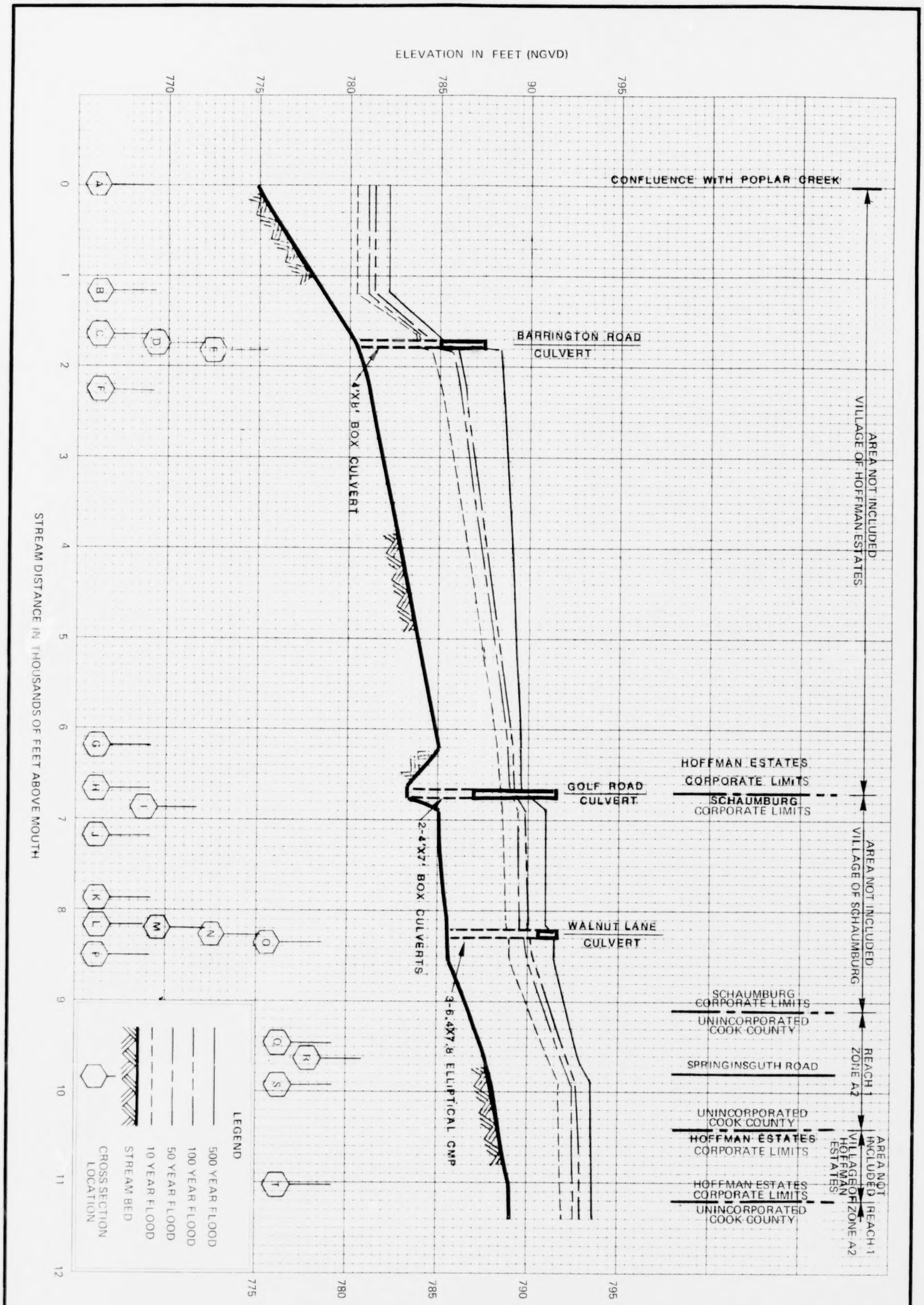
FLOOD PROFILES

SOUTH BRANCH OF POPLAR CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

45P



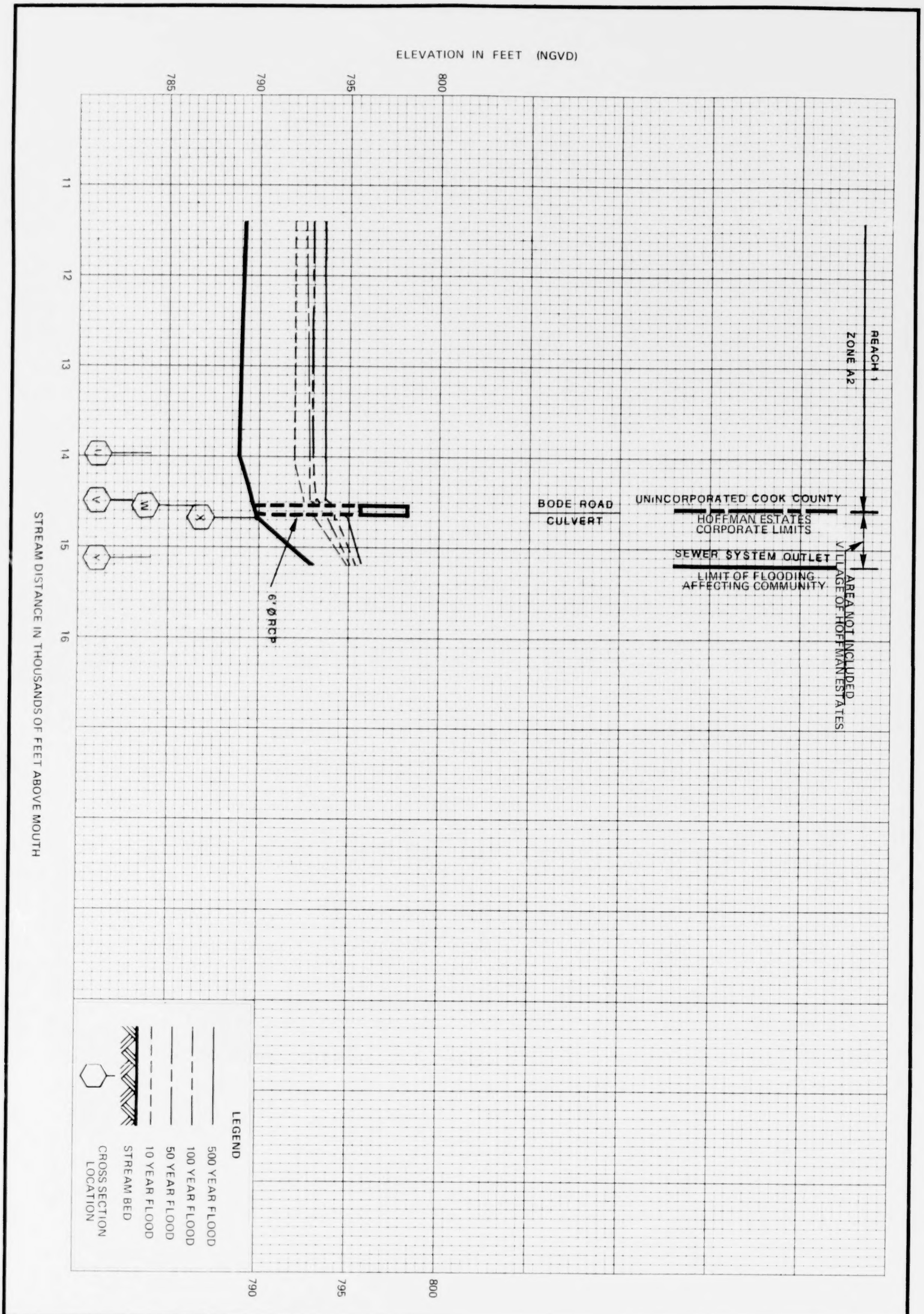
46P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

SCHAUMBURG BRANCH OF POPLAR CREEK



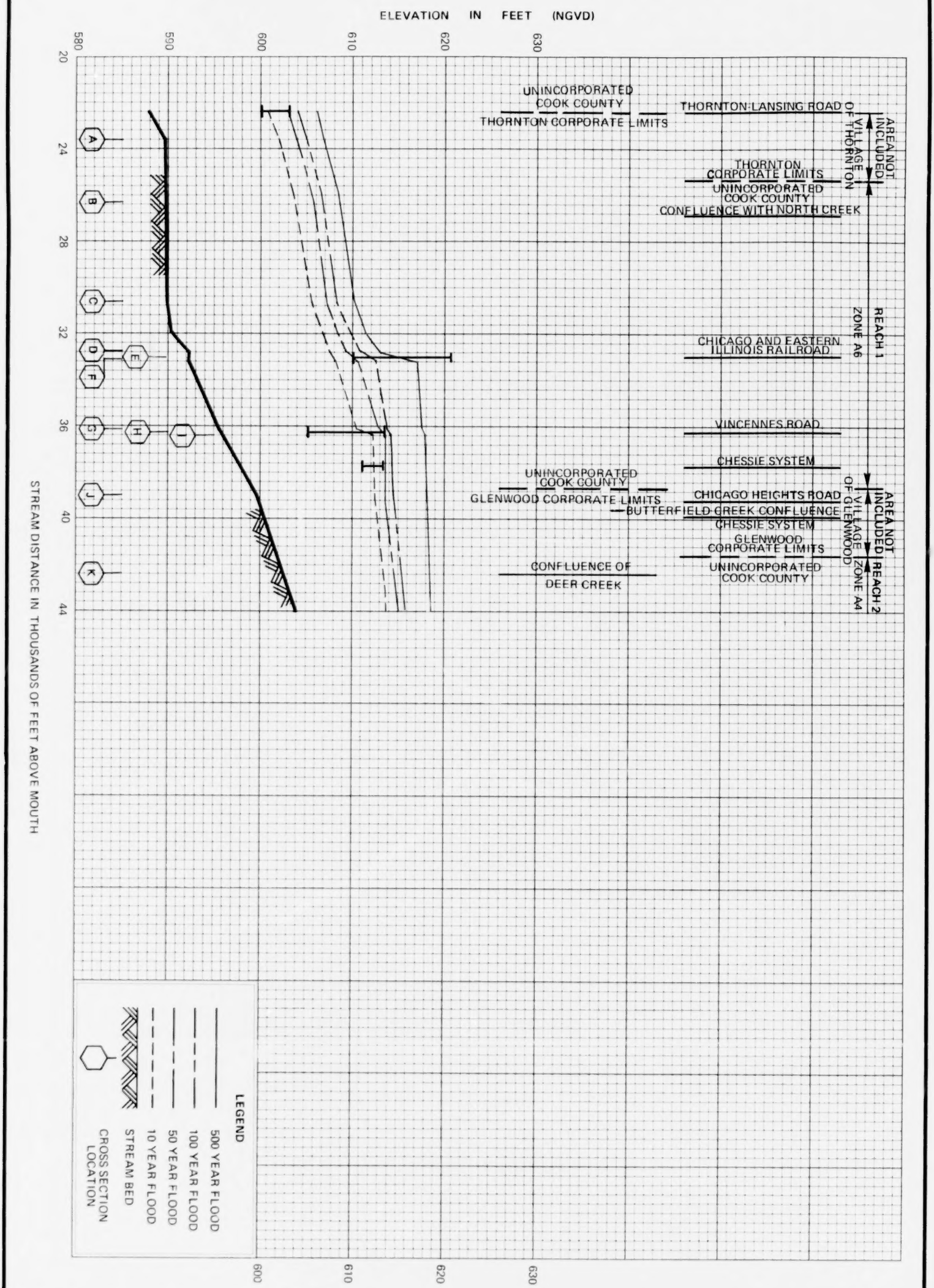
47P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

SCHAUMBURG BRANCH OF POPLAR CREEK



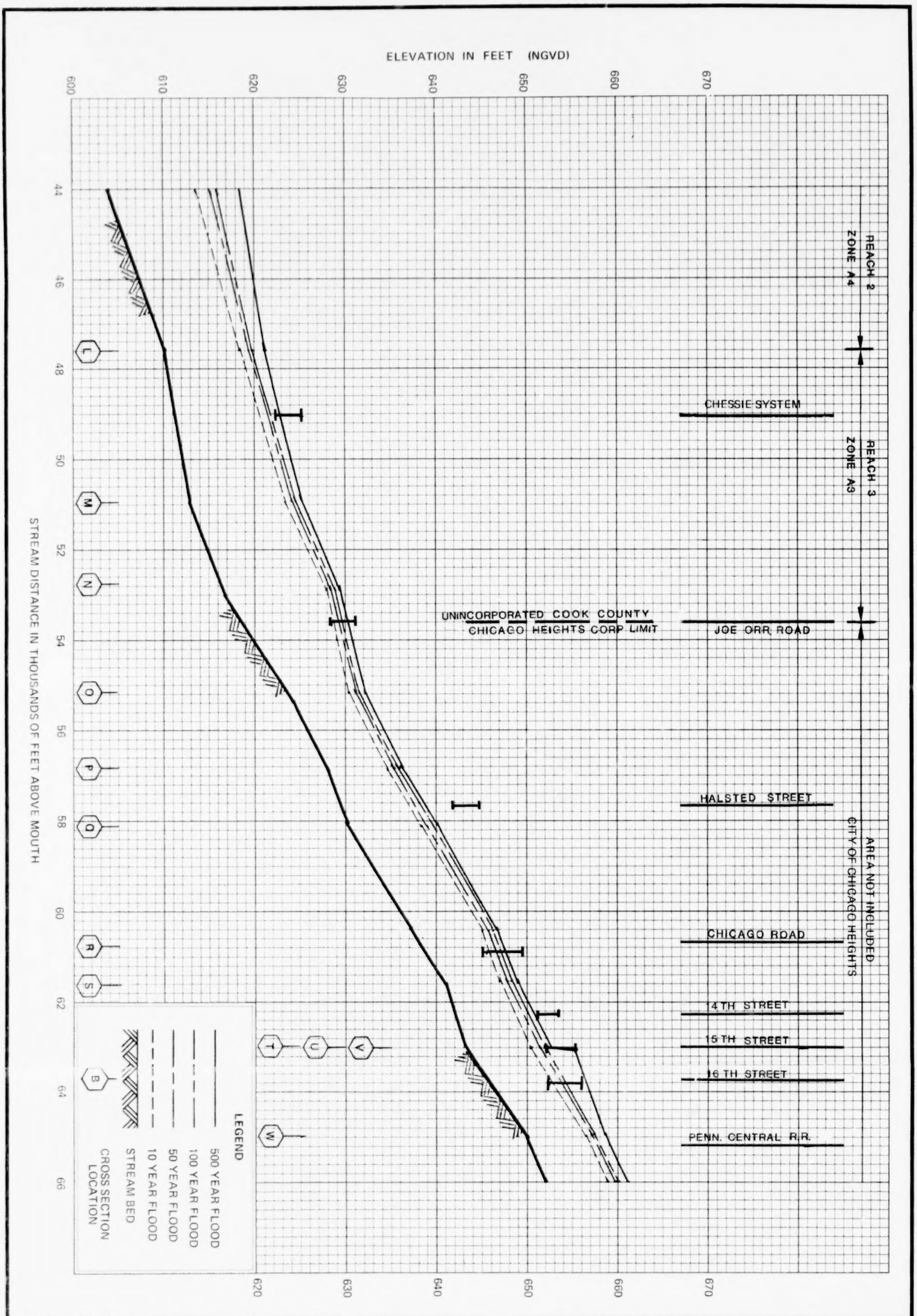
48P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

THORN CREEK



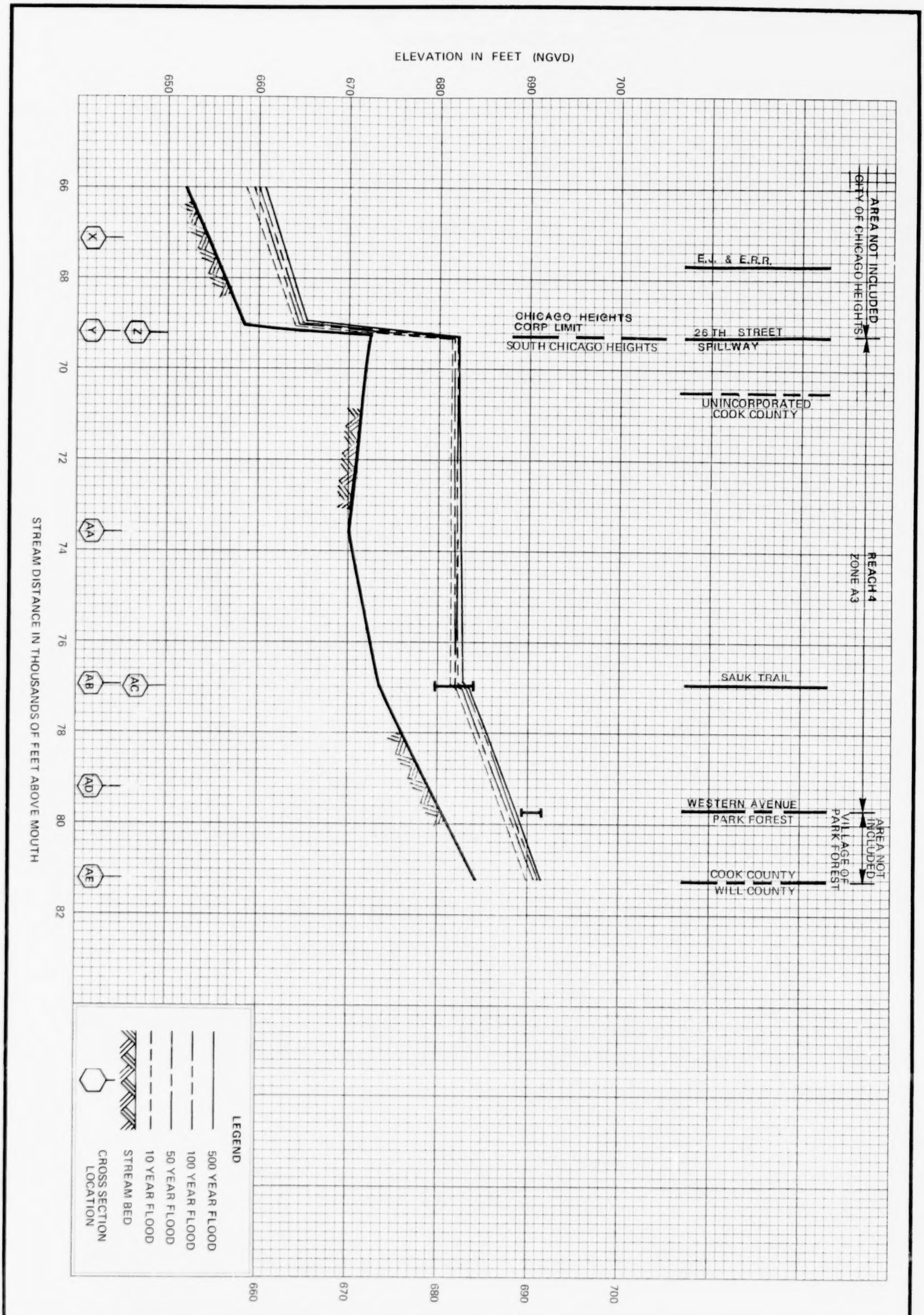
49P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

THORN CREEK



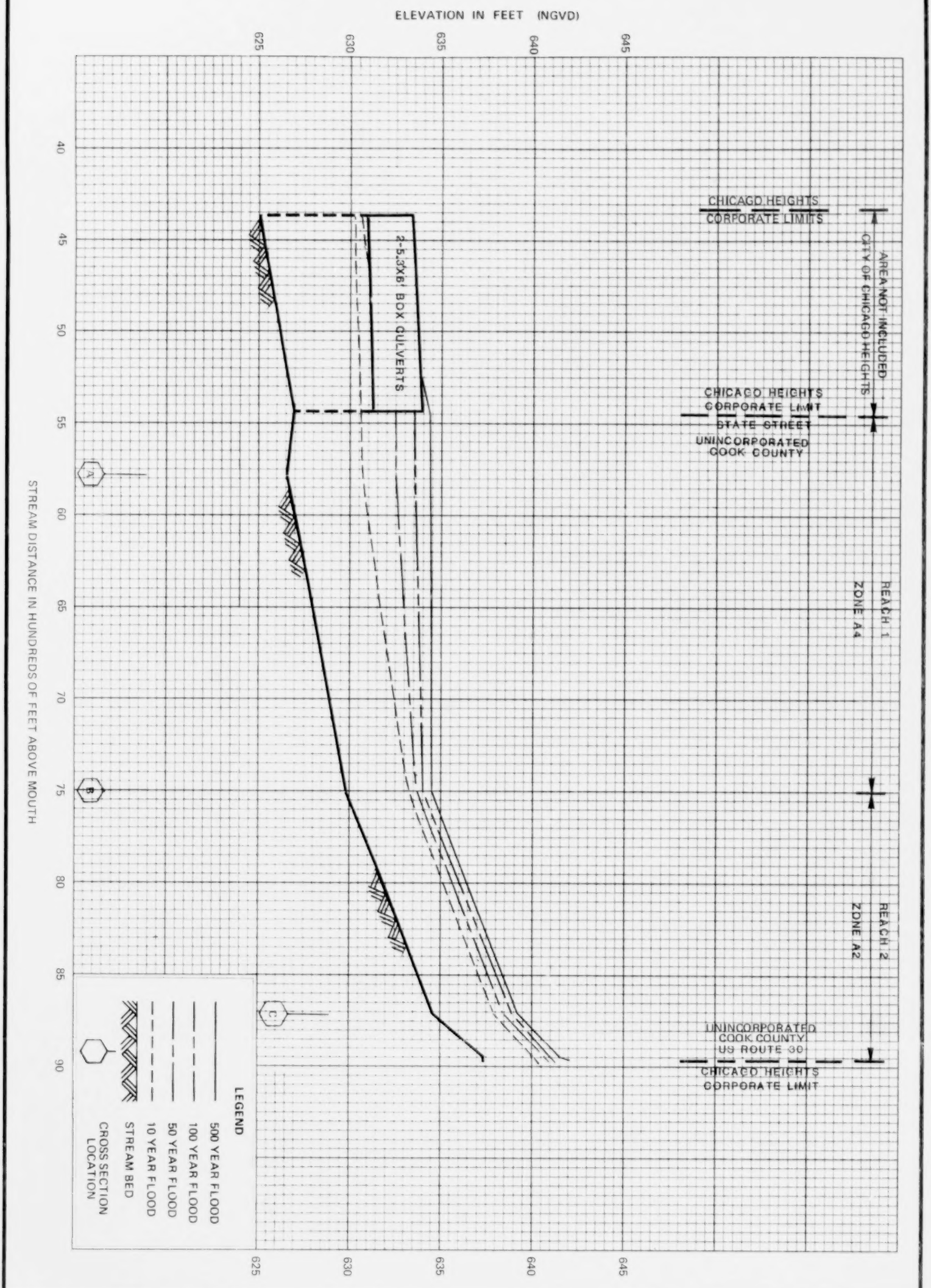
50P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

THORN CREEK



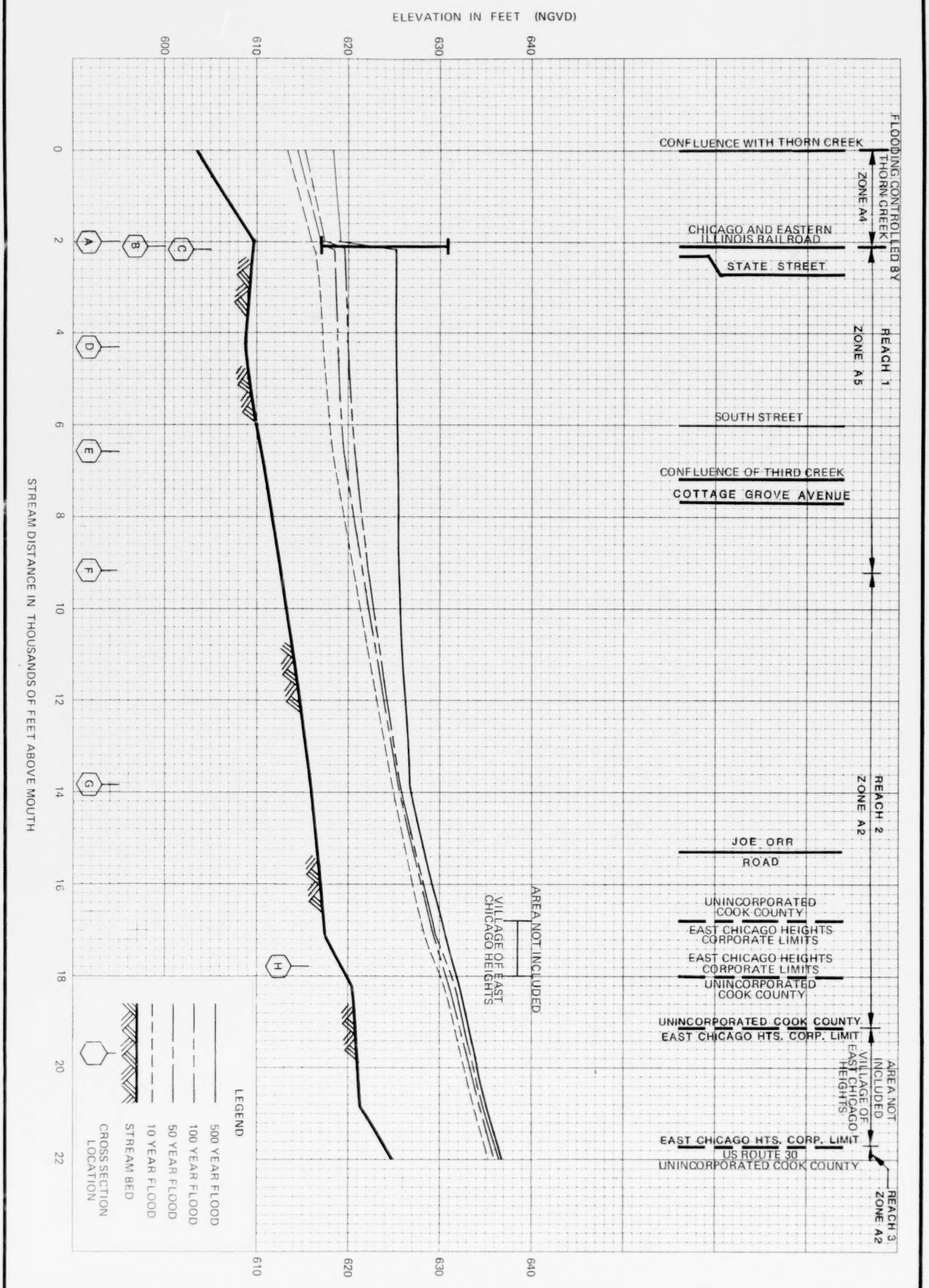
51P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF THORN CREEK



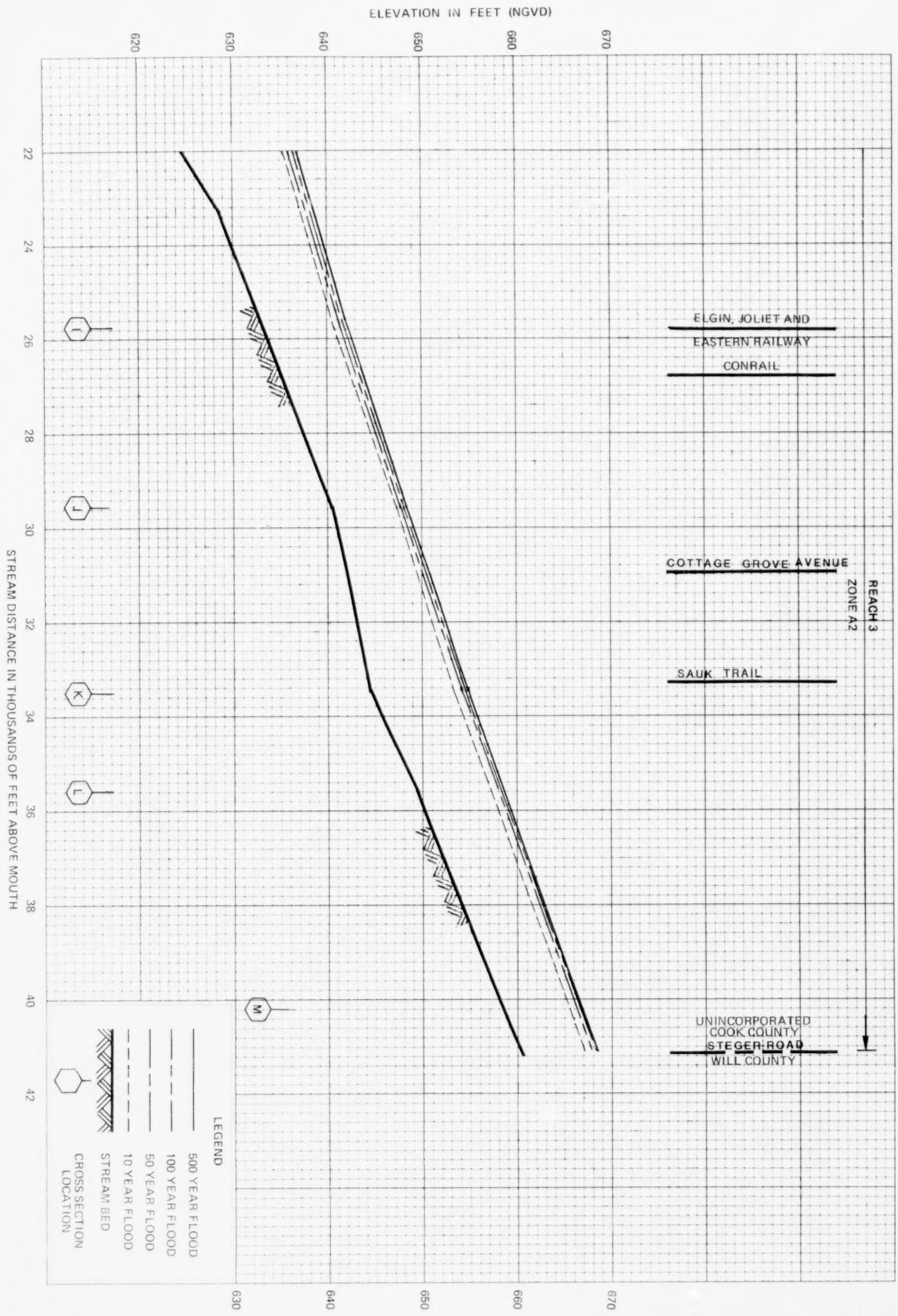
52P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

DEER CREEK

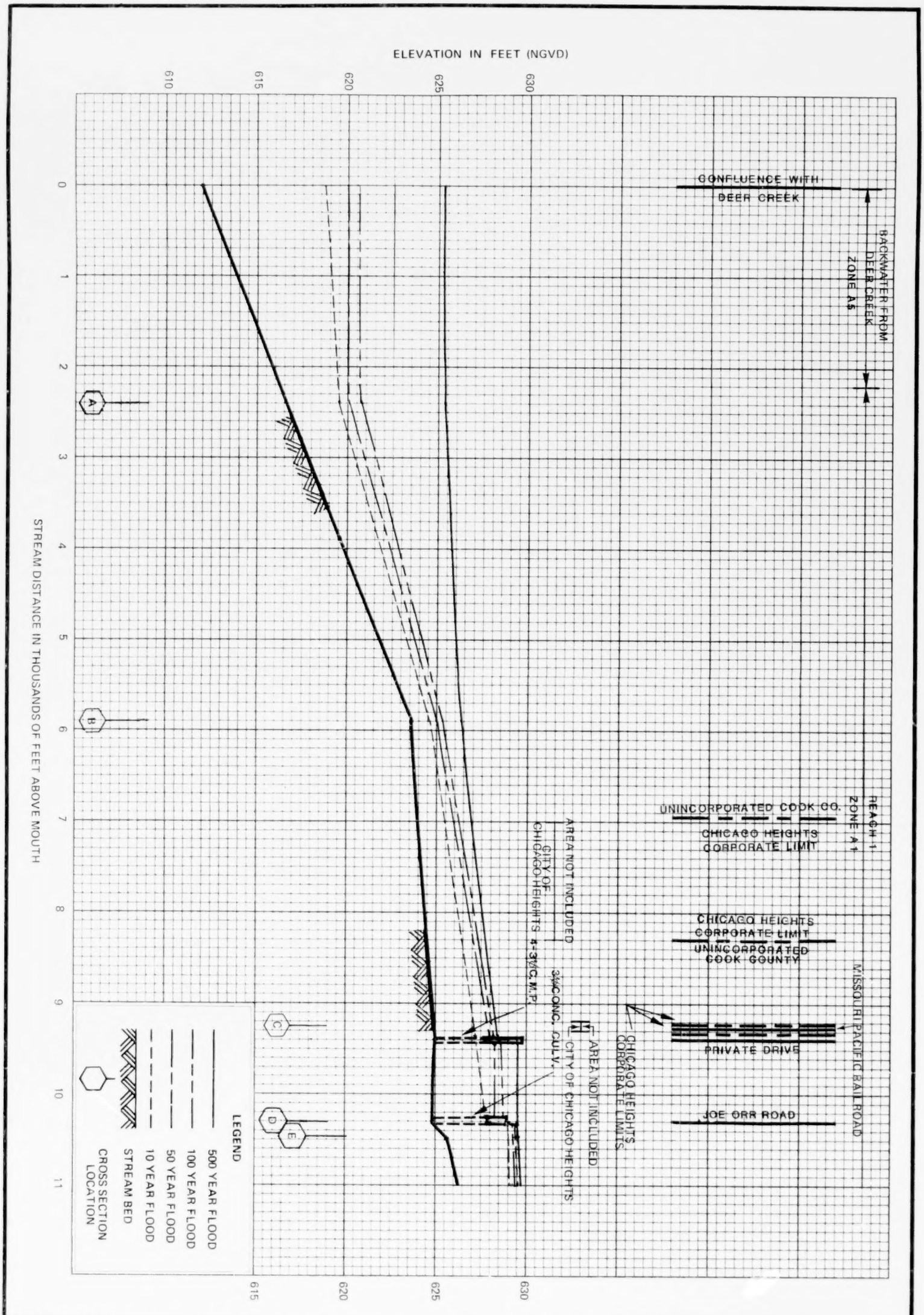


FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

DEER CREEK



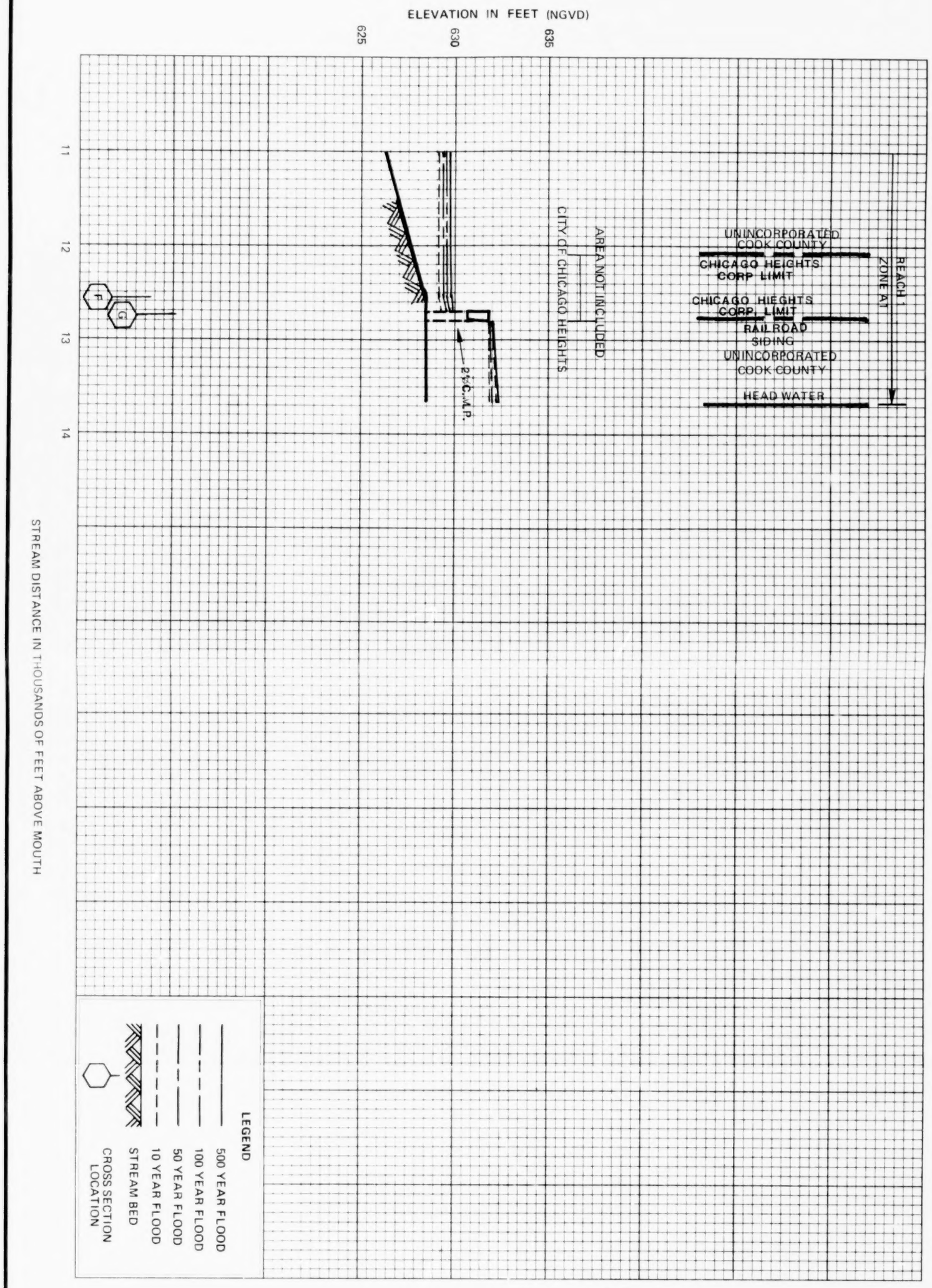
54P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

THIRD CREEK



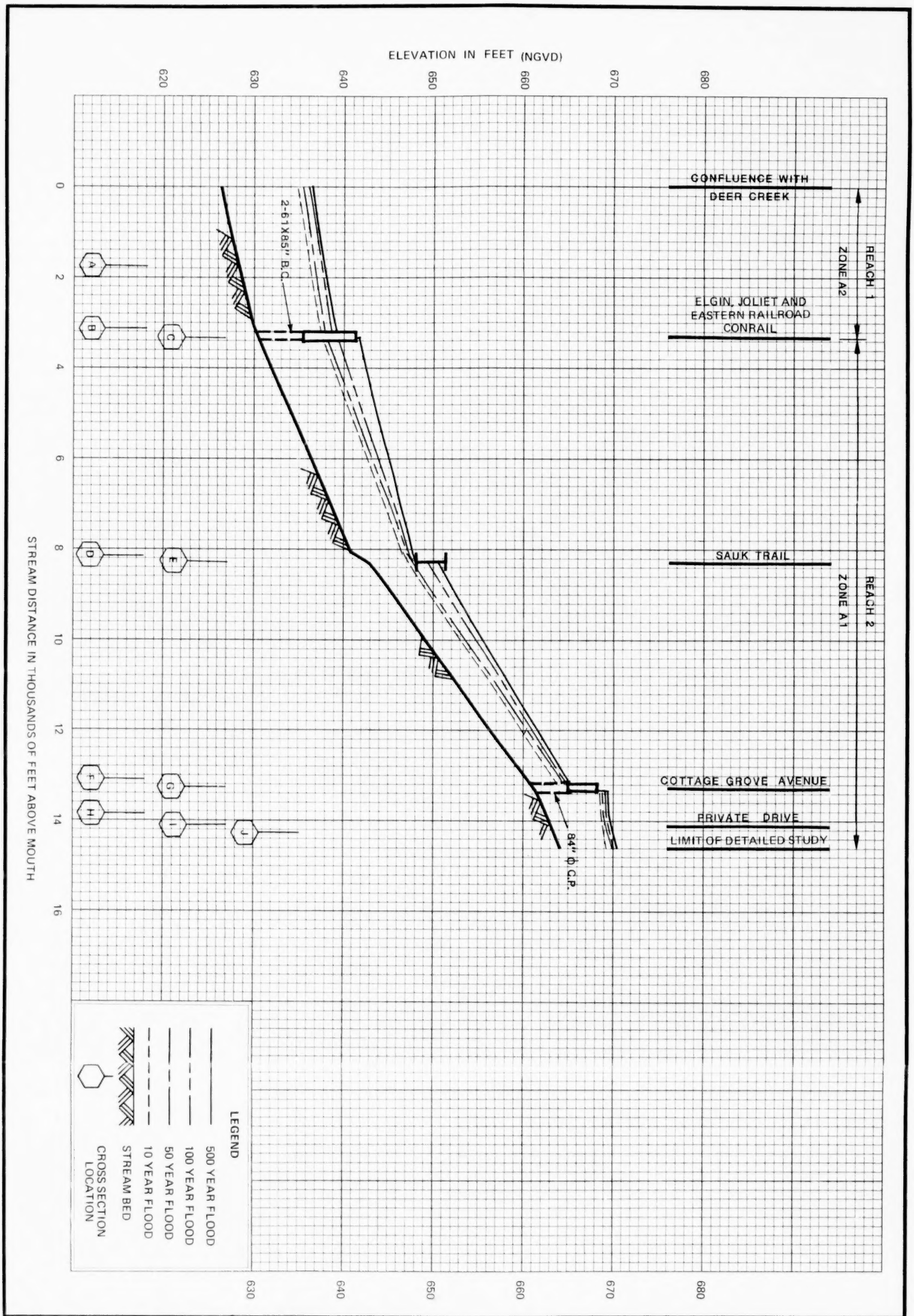
55P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

THIRD CREEK



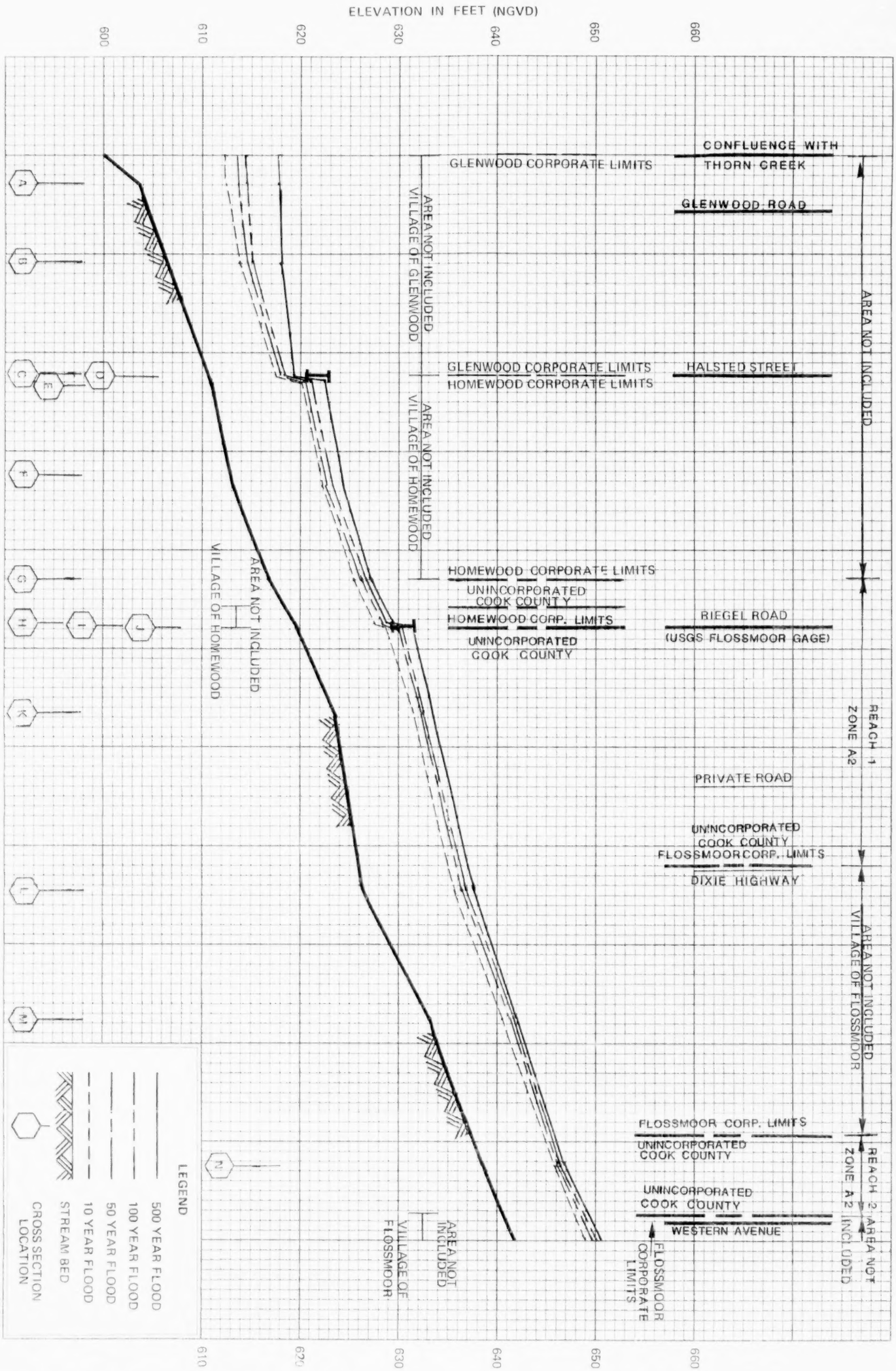
56P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF DEER CREEK



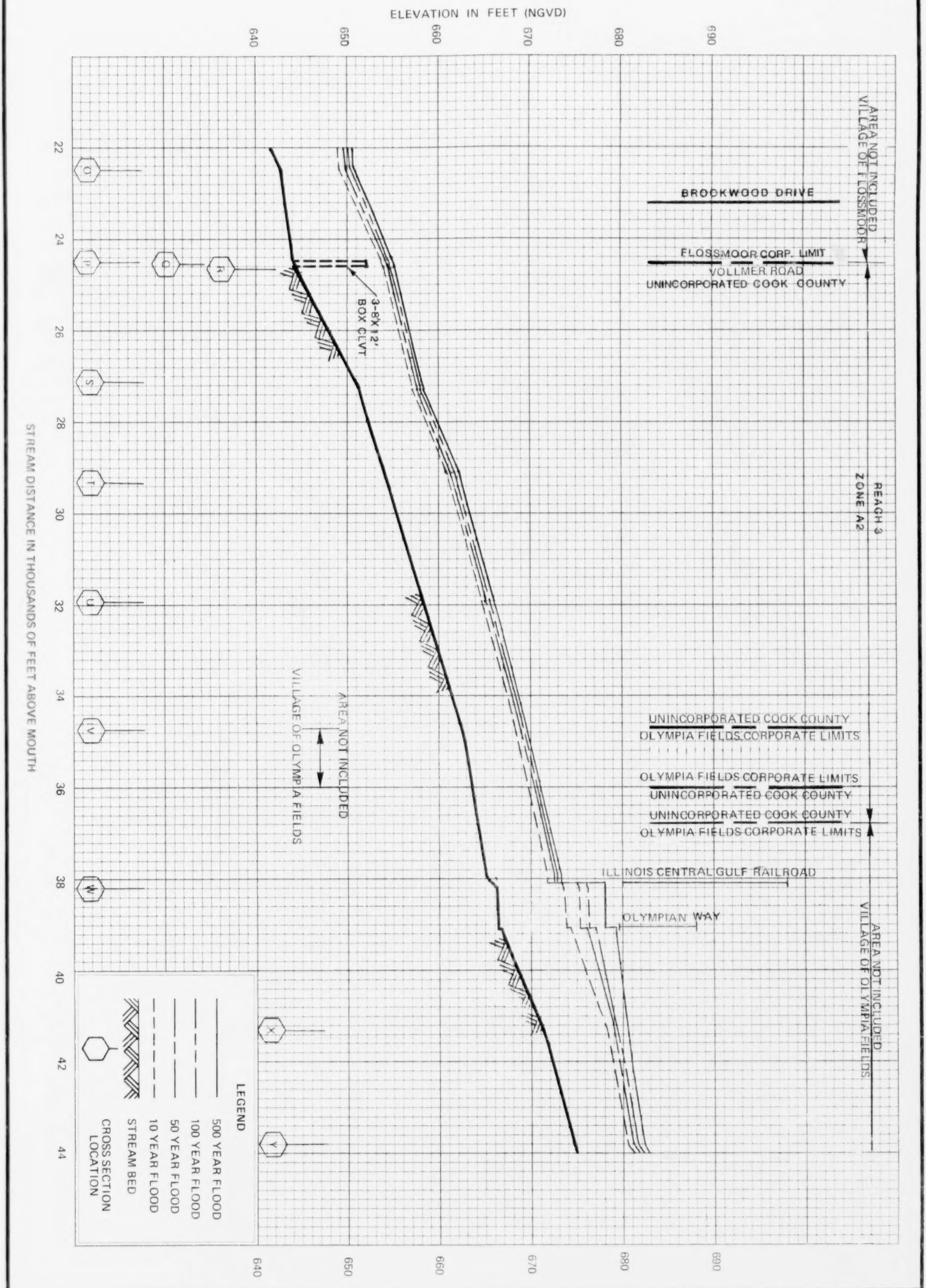
57P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

BUTTERFIELD CREEK



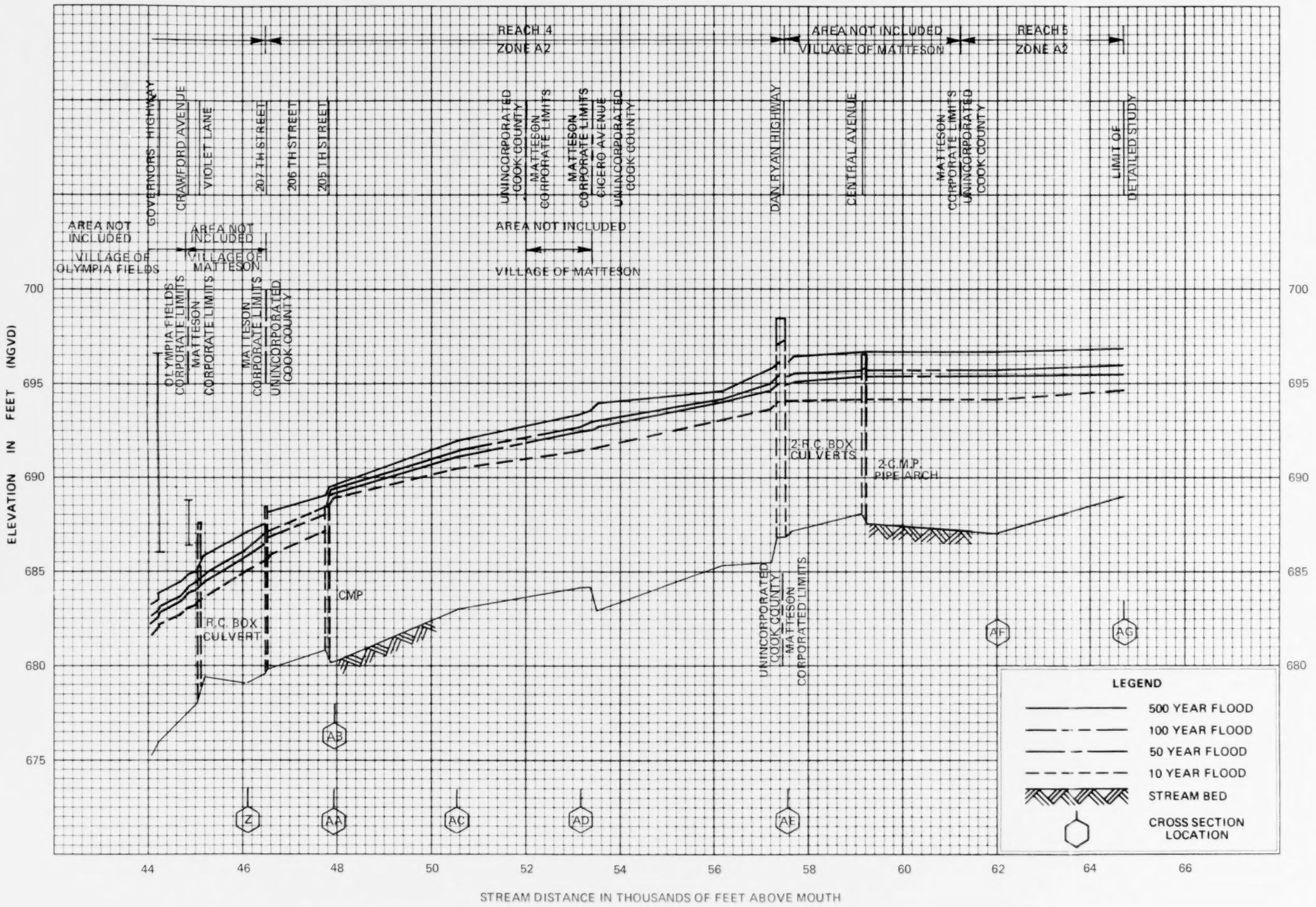
58P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

BUTTERFIELD CREEK



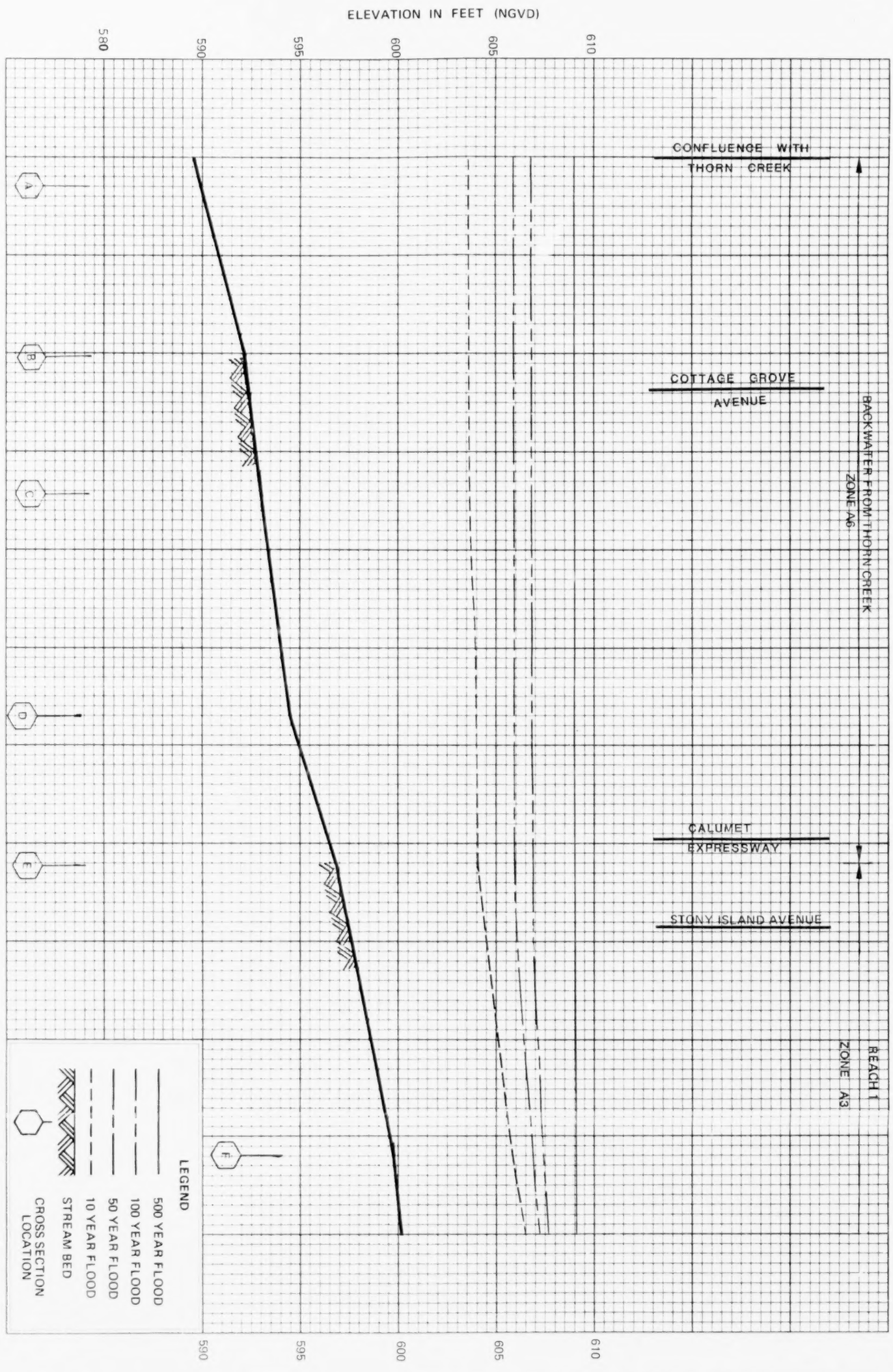
FLOOD PROFILES

BUTTERFIELD CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

59P



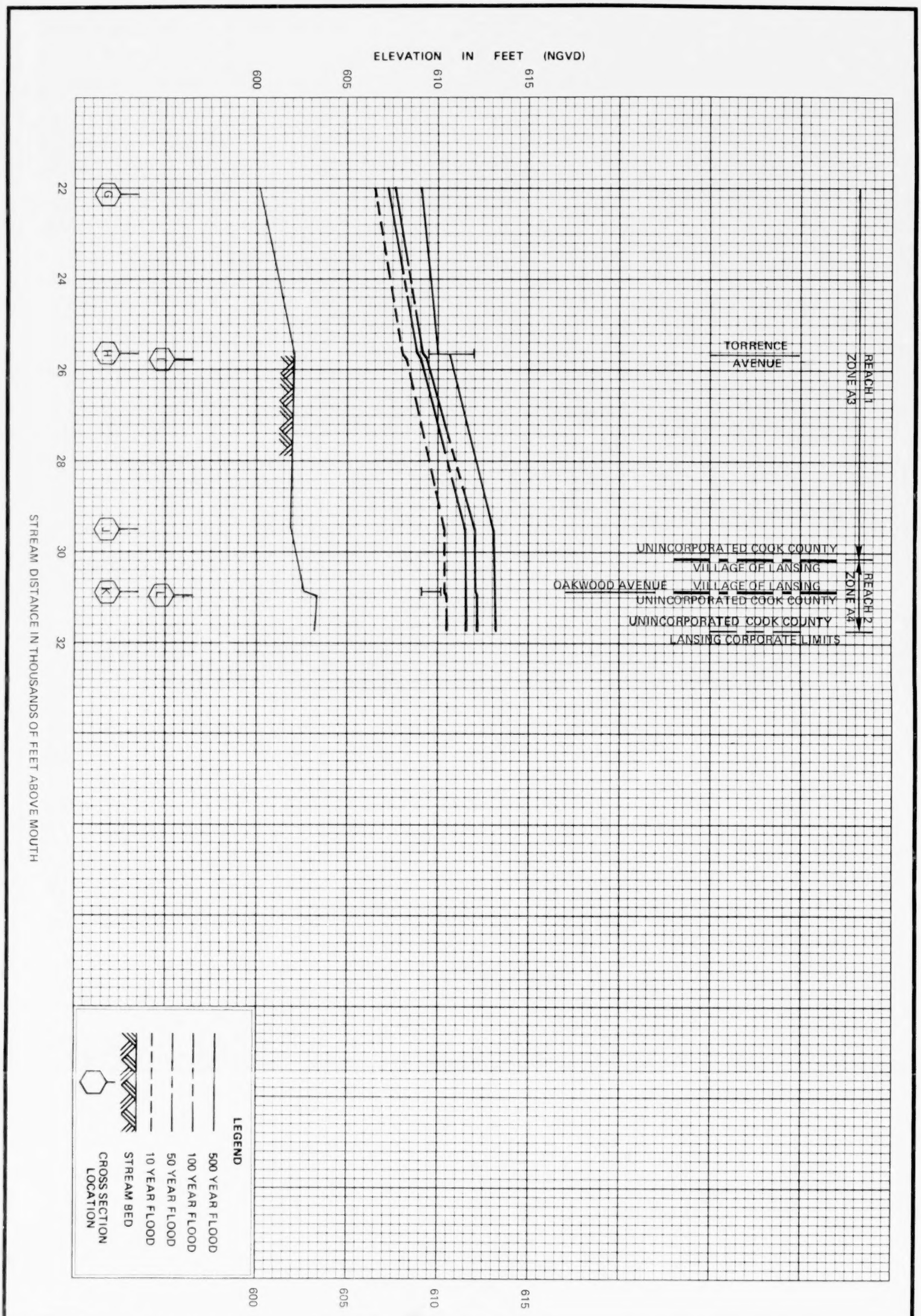
60P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

NORTH CREEK



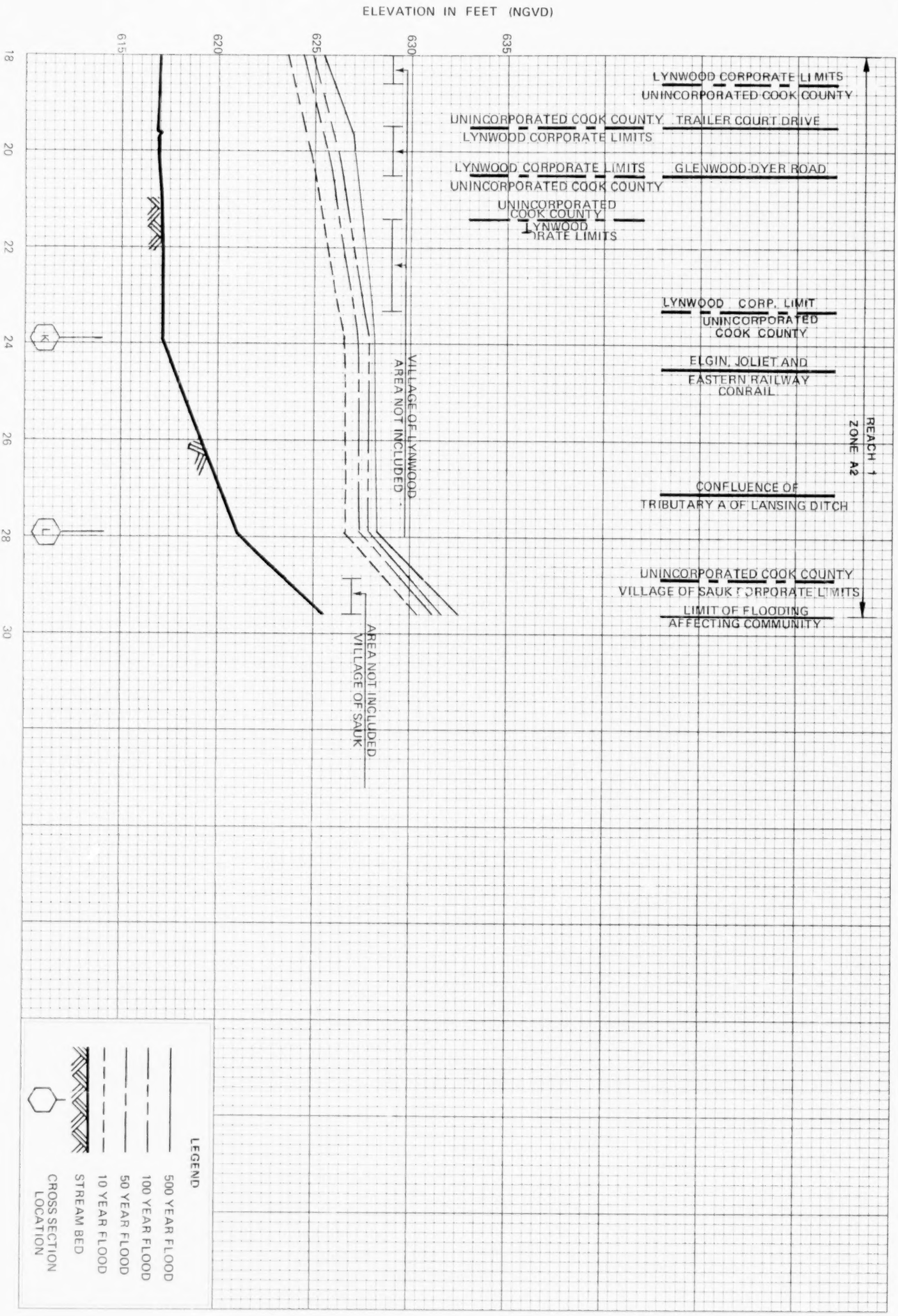
61P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

NORTH CREEK

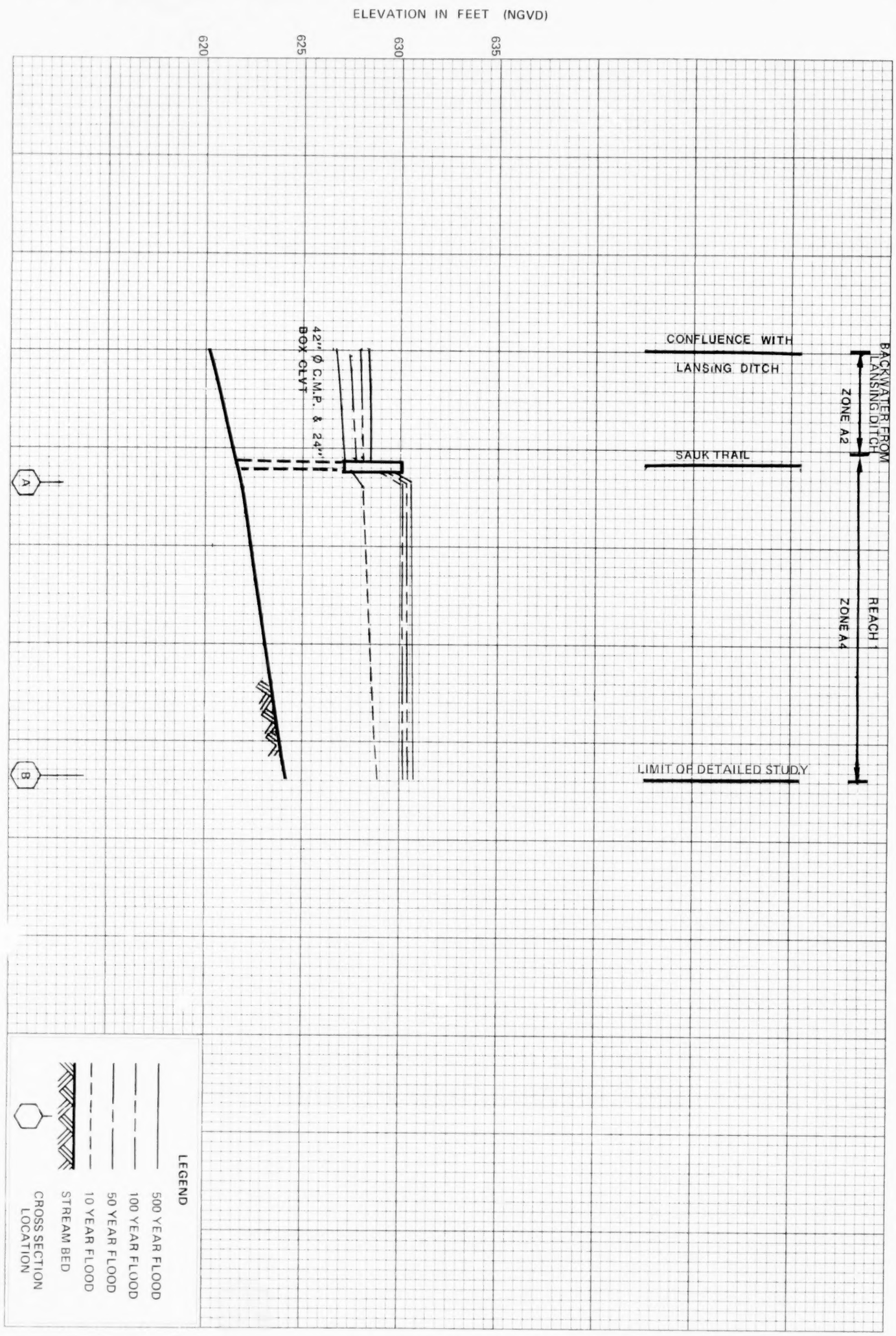


FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

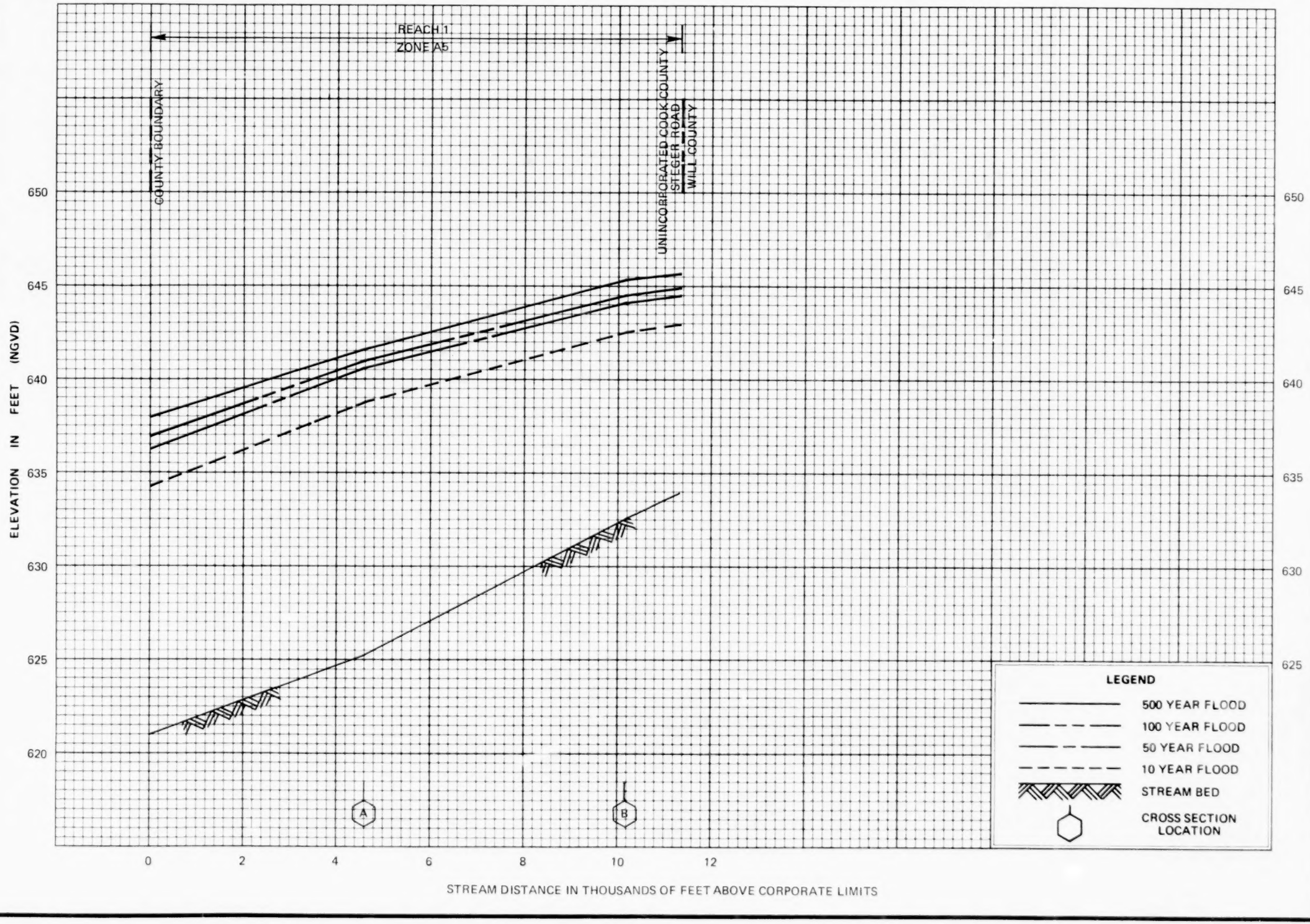
COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

LANSING DITCH



63P	FEDERAL EMERGENCY MANAGEMENT AGENCY Federal Insurance Administration **COOK COUNTY, IL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **TRIBUTARY A OF LANSING DITCH**



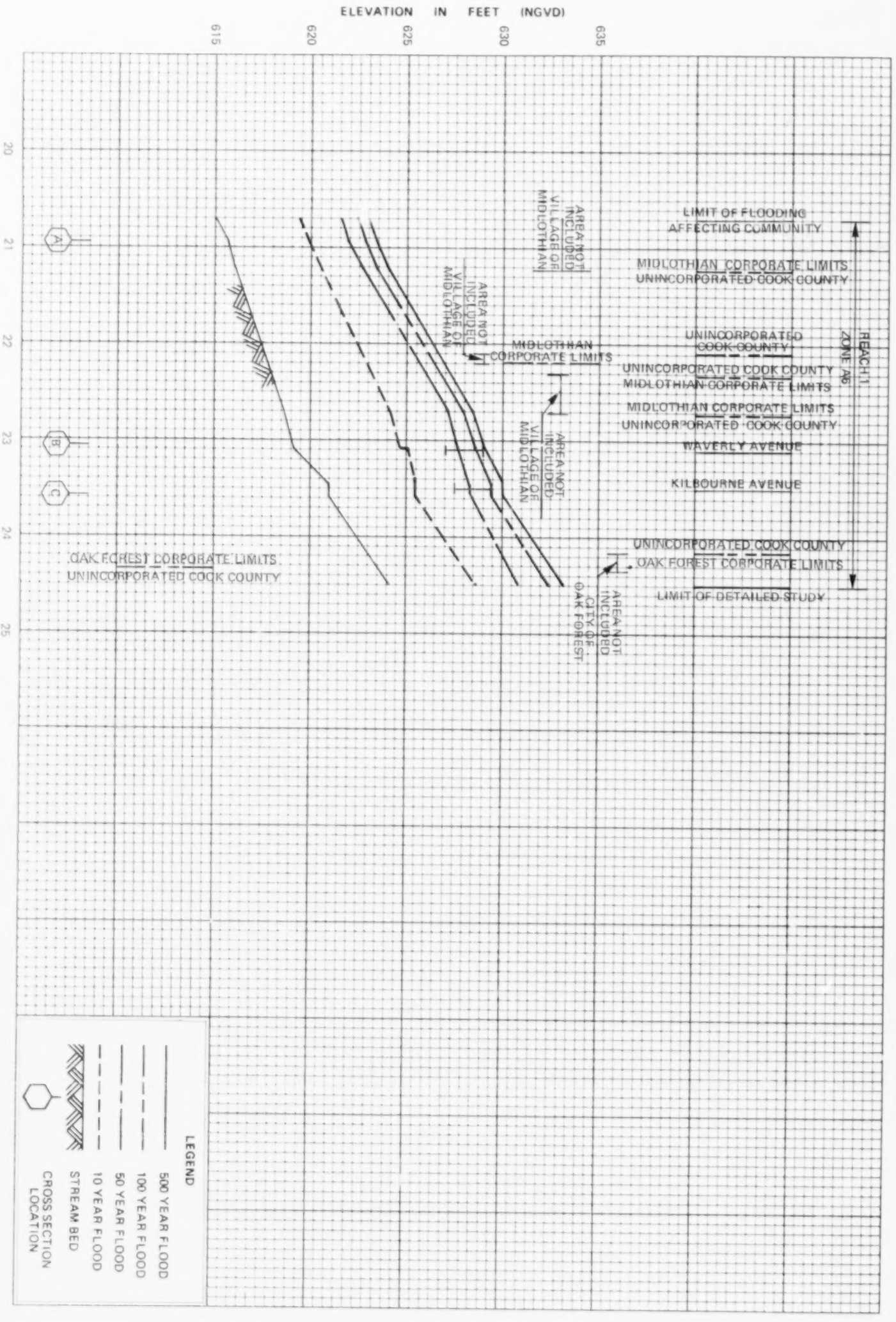
FLOOD PROFILES

PLUM CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

64P



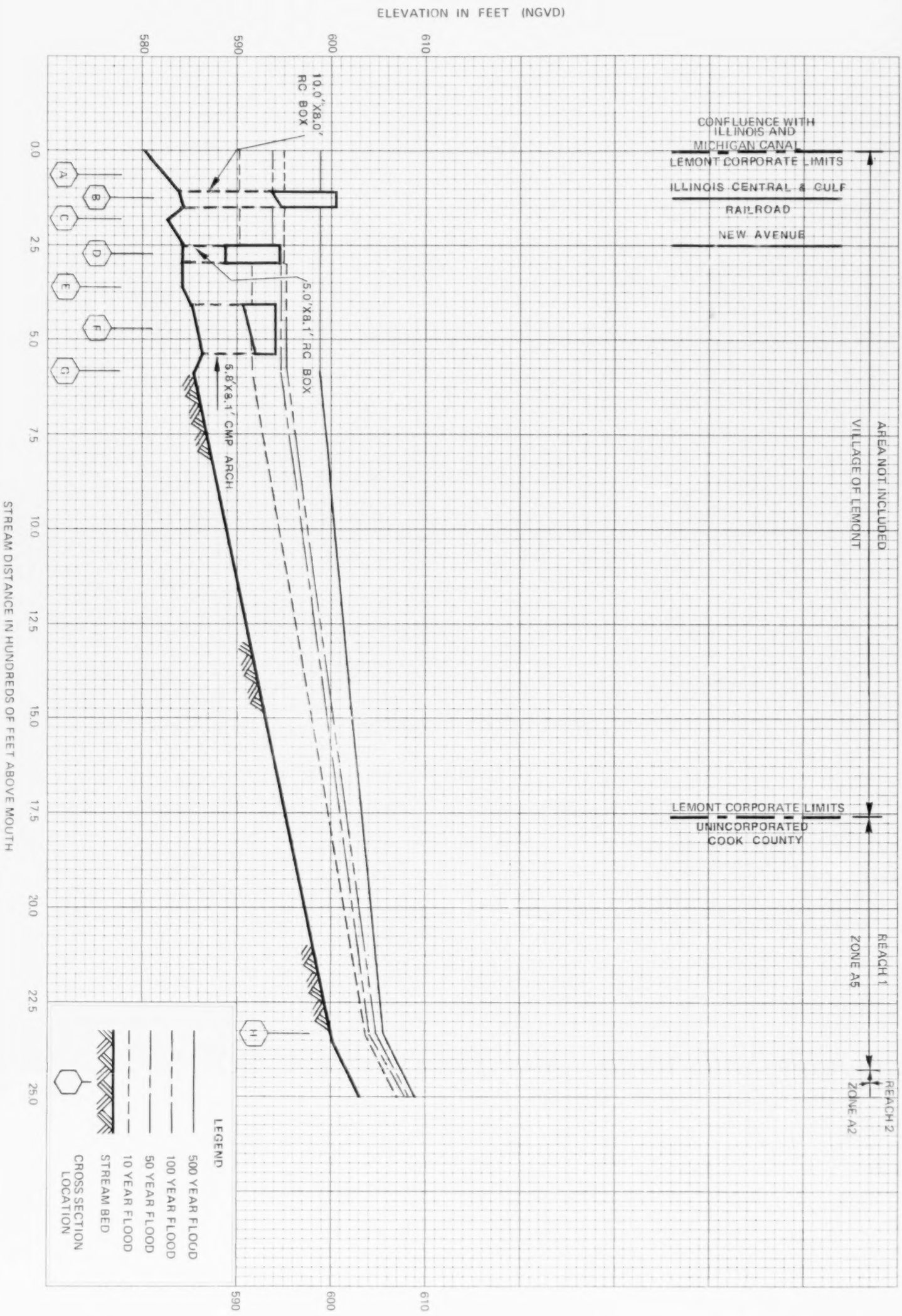
65P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

MIDLOTHIAN CREEK

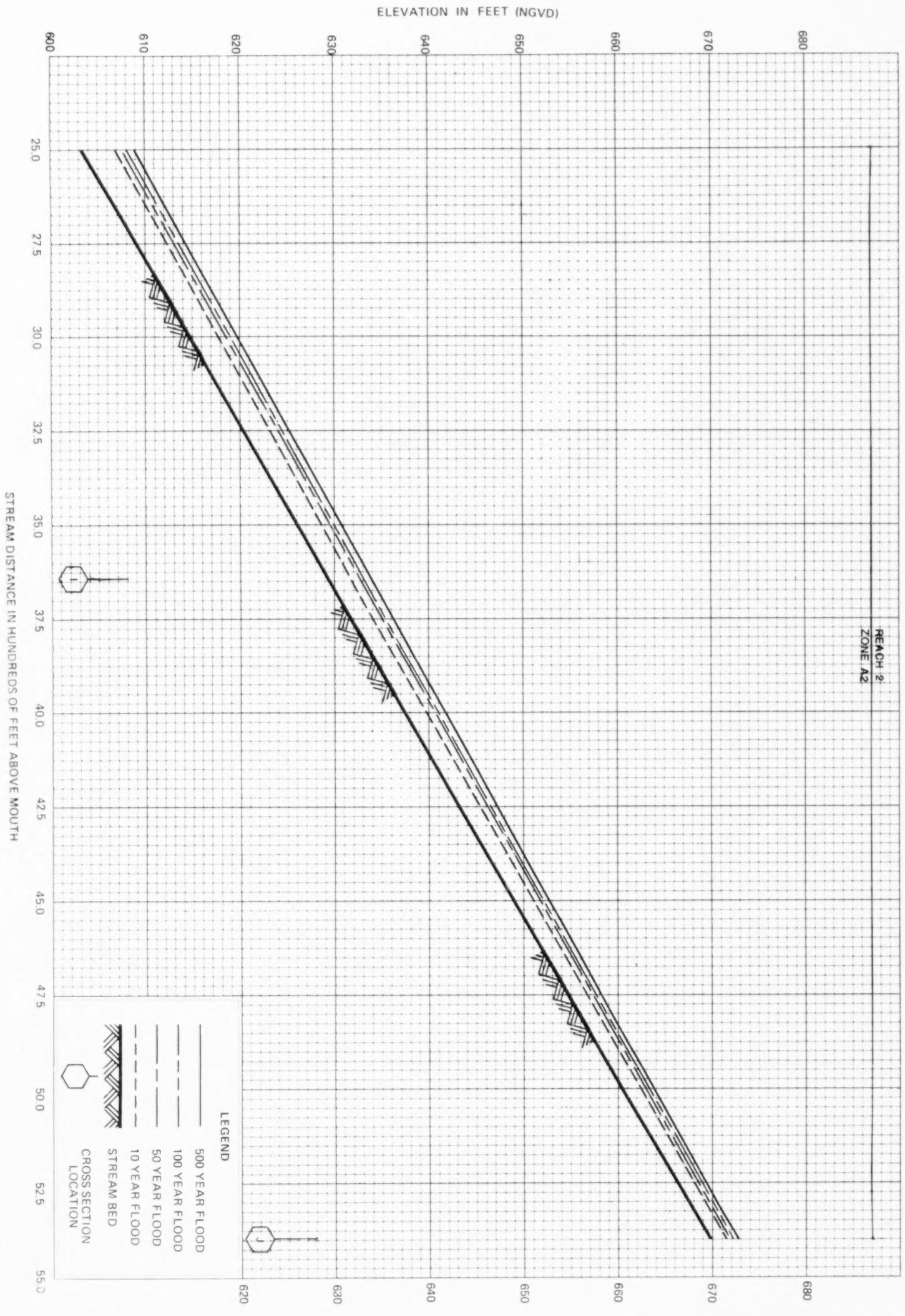


FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF ILLINOIS AND MICHIGAN CANAL



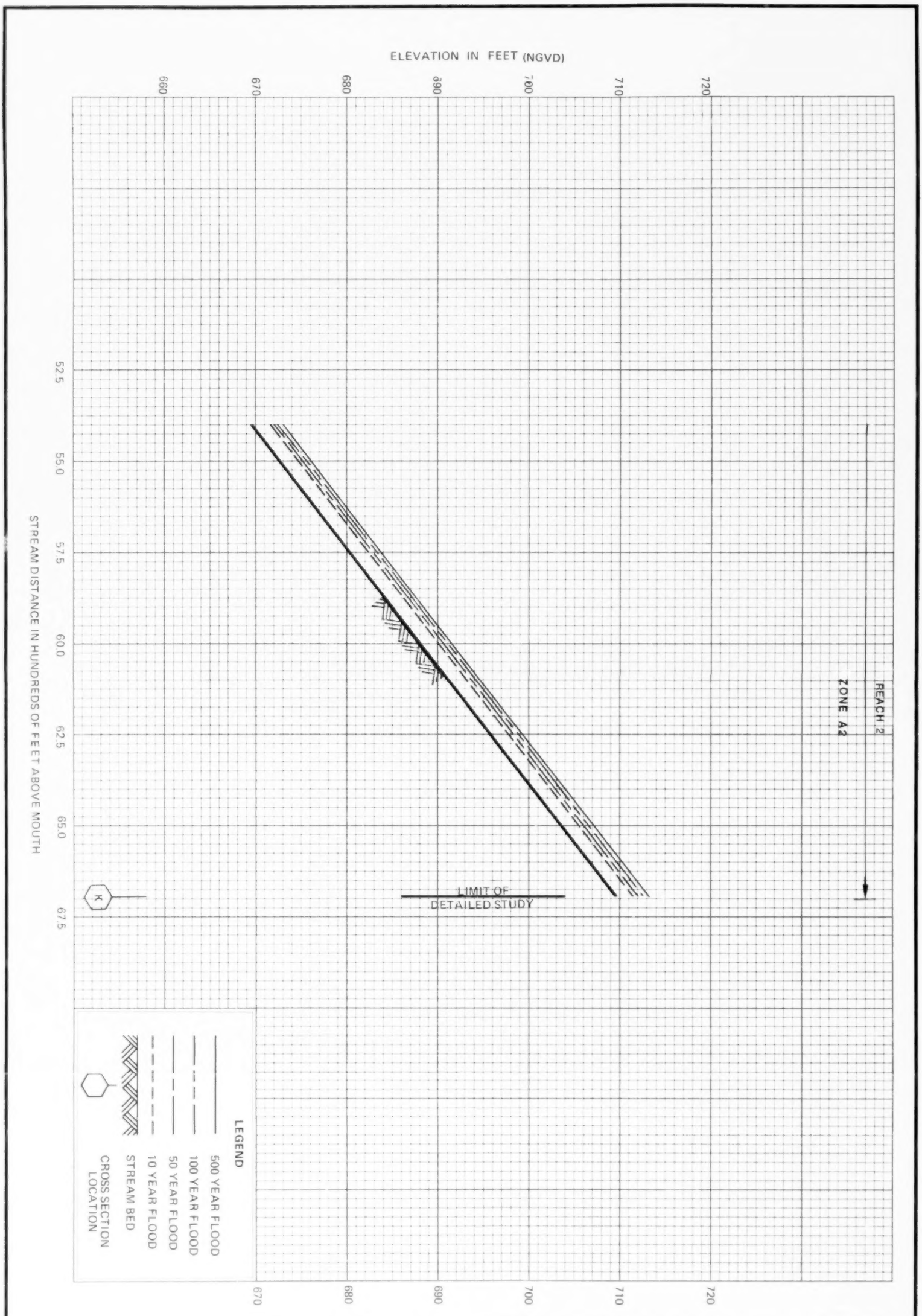
67P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF ILLINOIS AND MICHIGAN CANAL



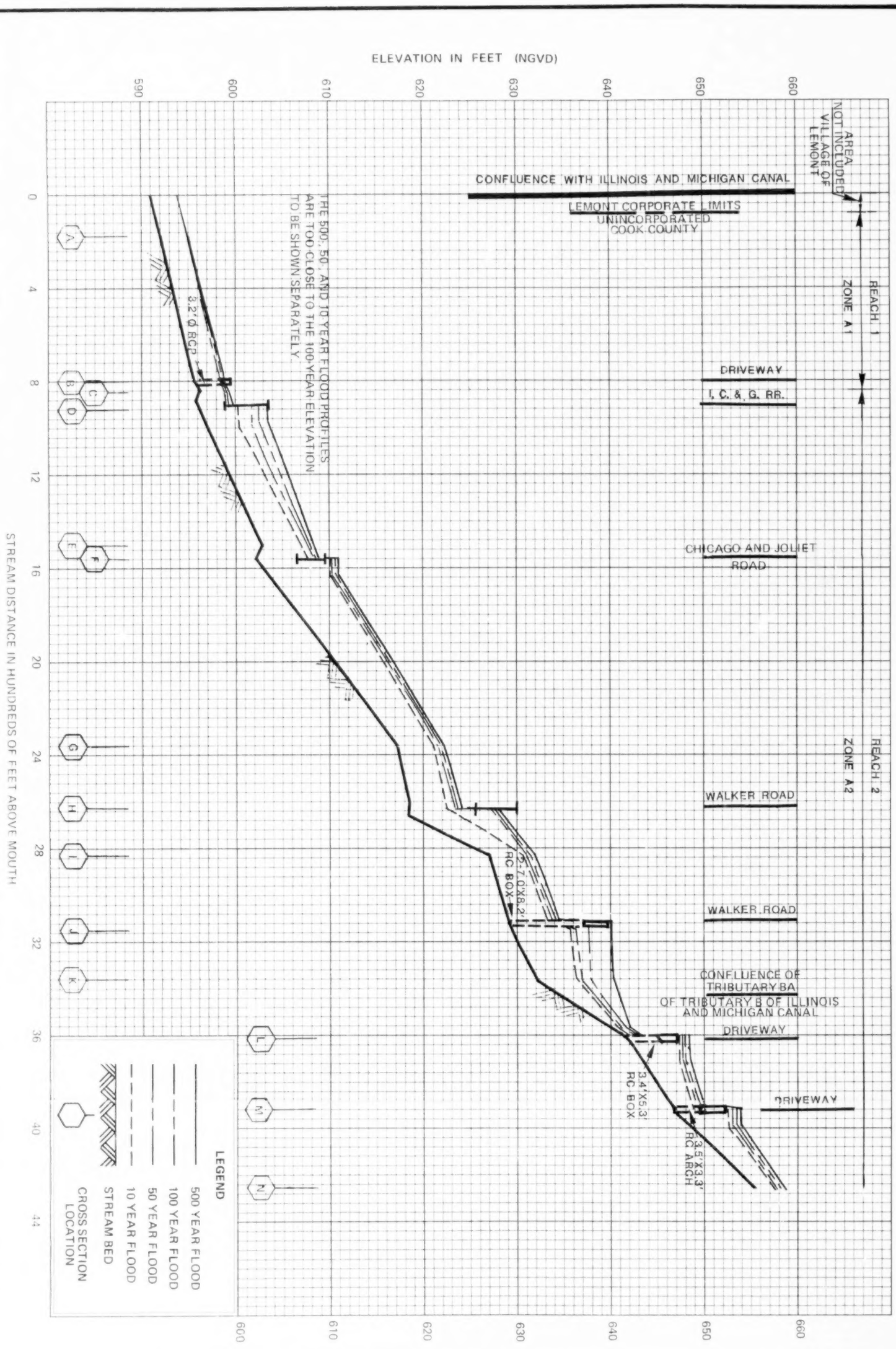
68P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF ILLINOIS AND MICHIGAN CANAL



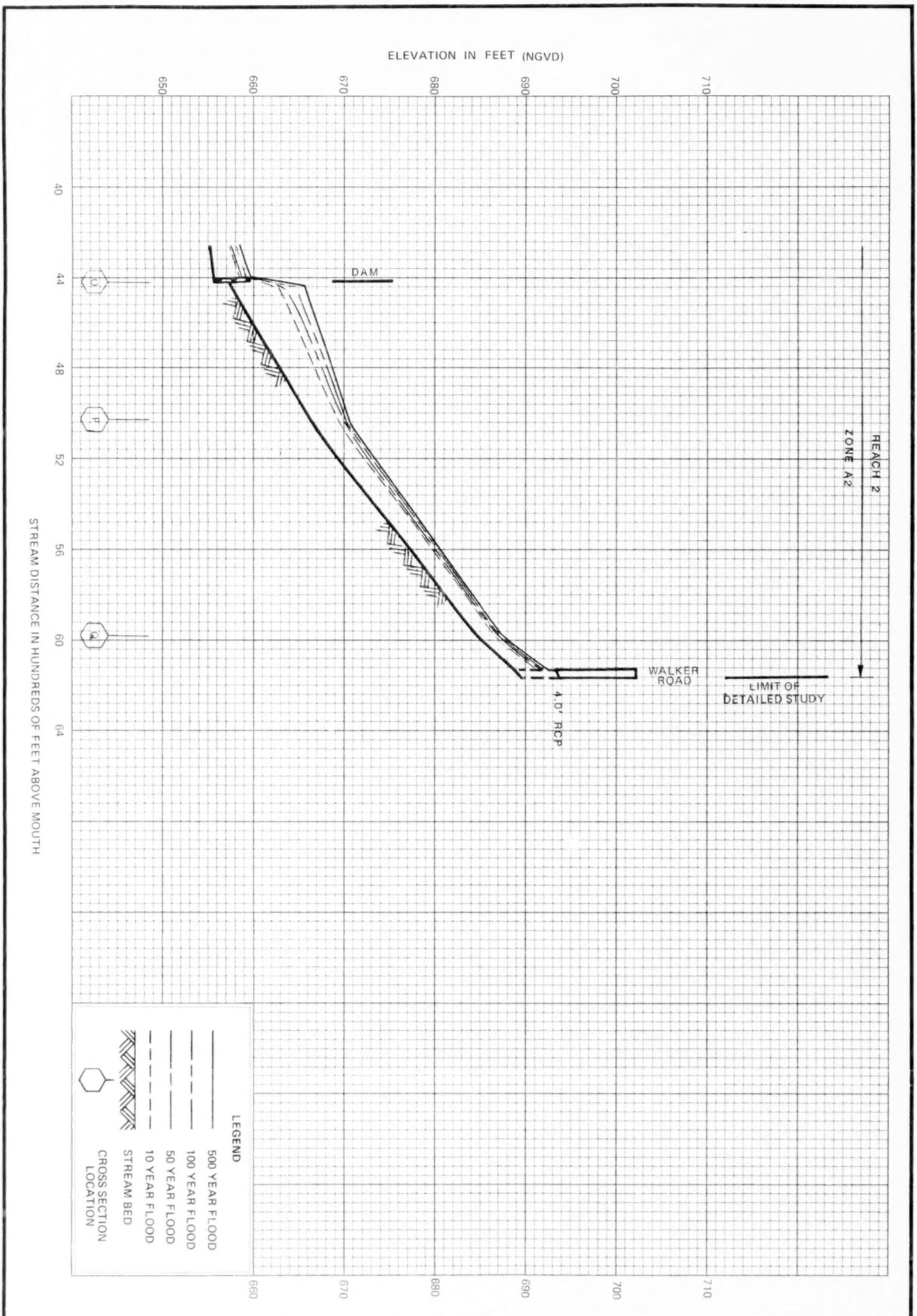
69P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF ILLINOIS AND MICHIGAN CANAL



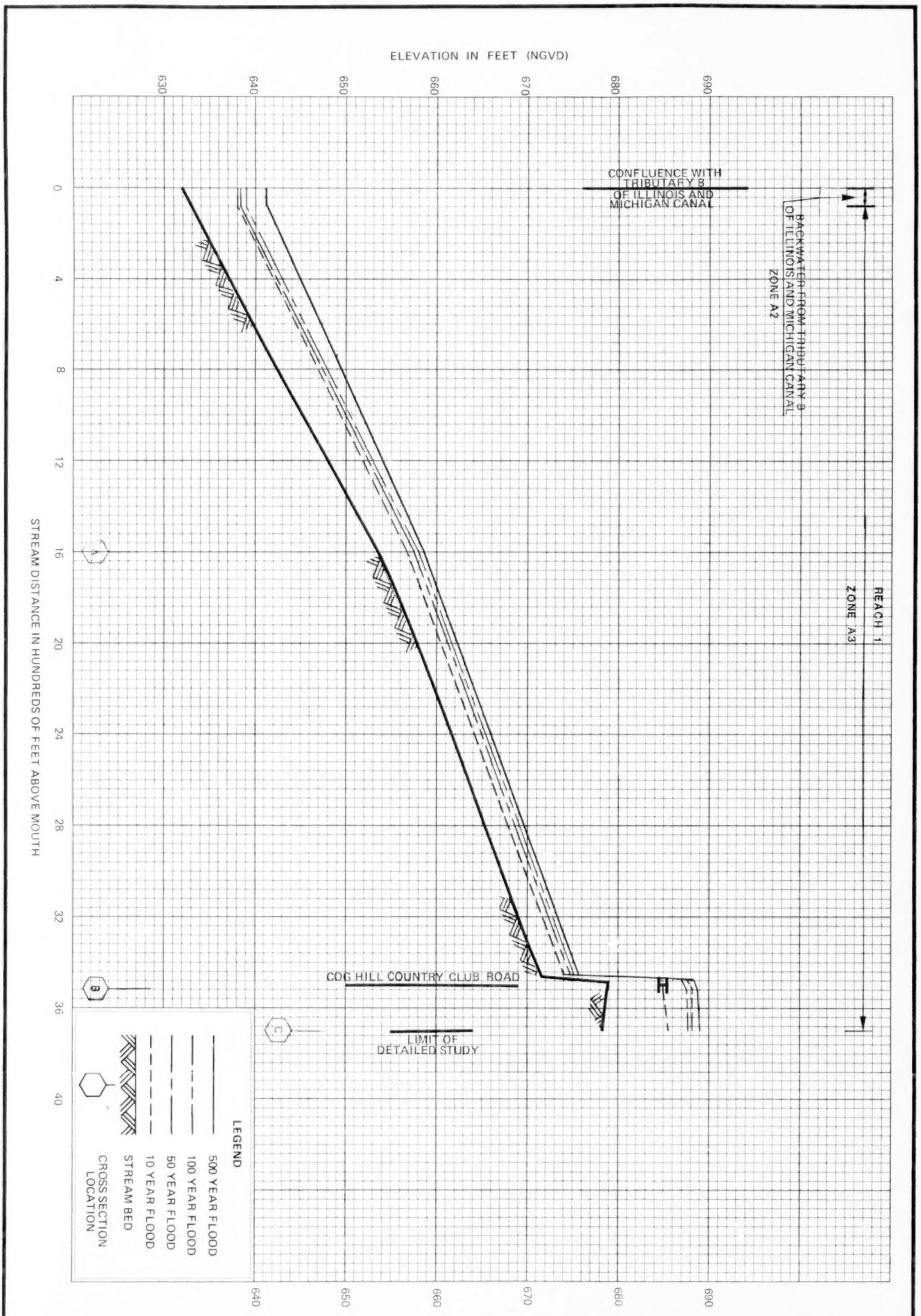
70P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF ILLINOIS AND MICHIGAN CANAL



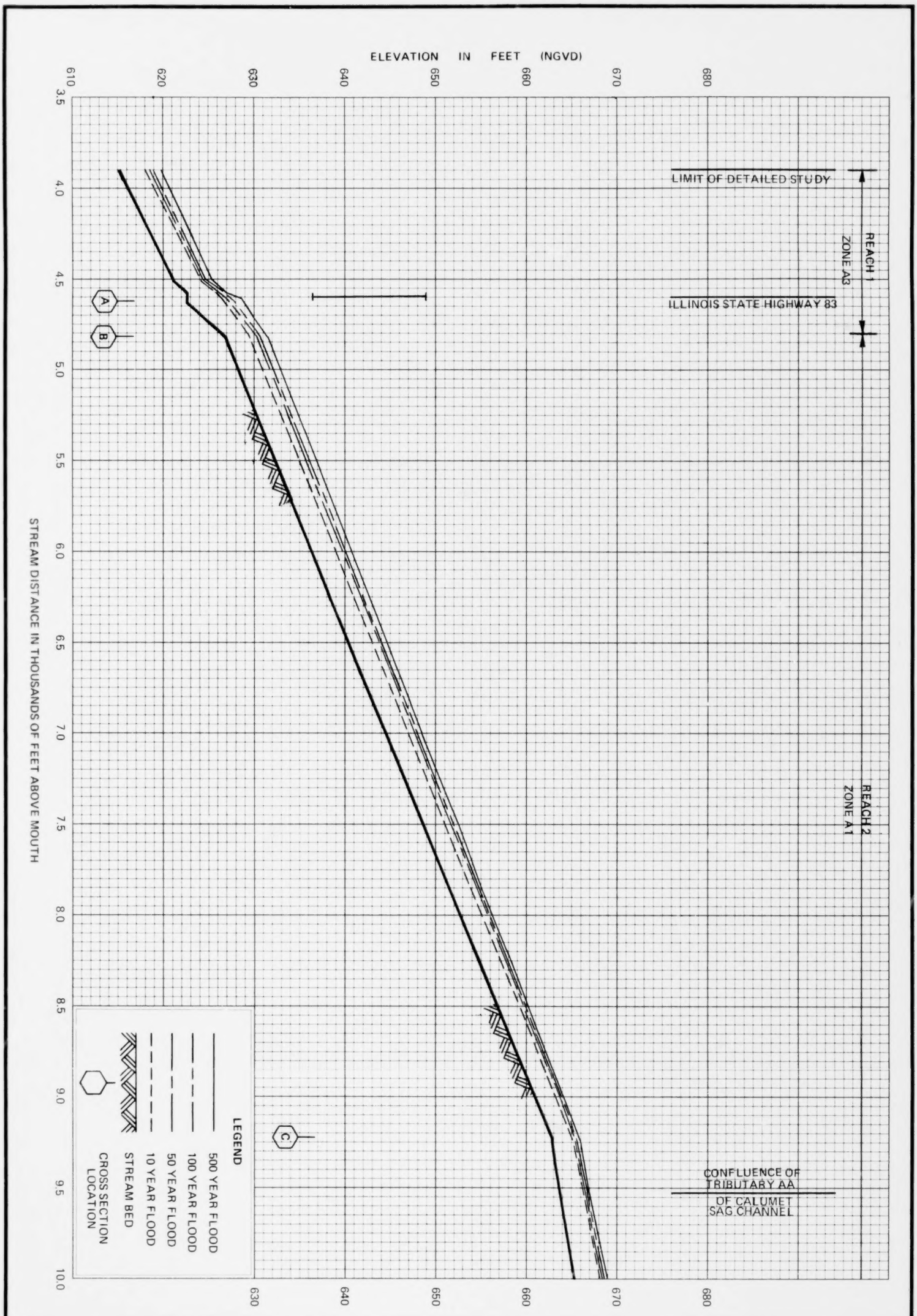
71P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL.
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY BA OF ILLINOIS AND MICHIGAN CANAL



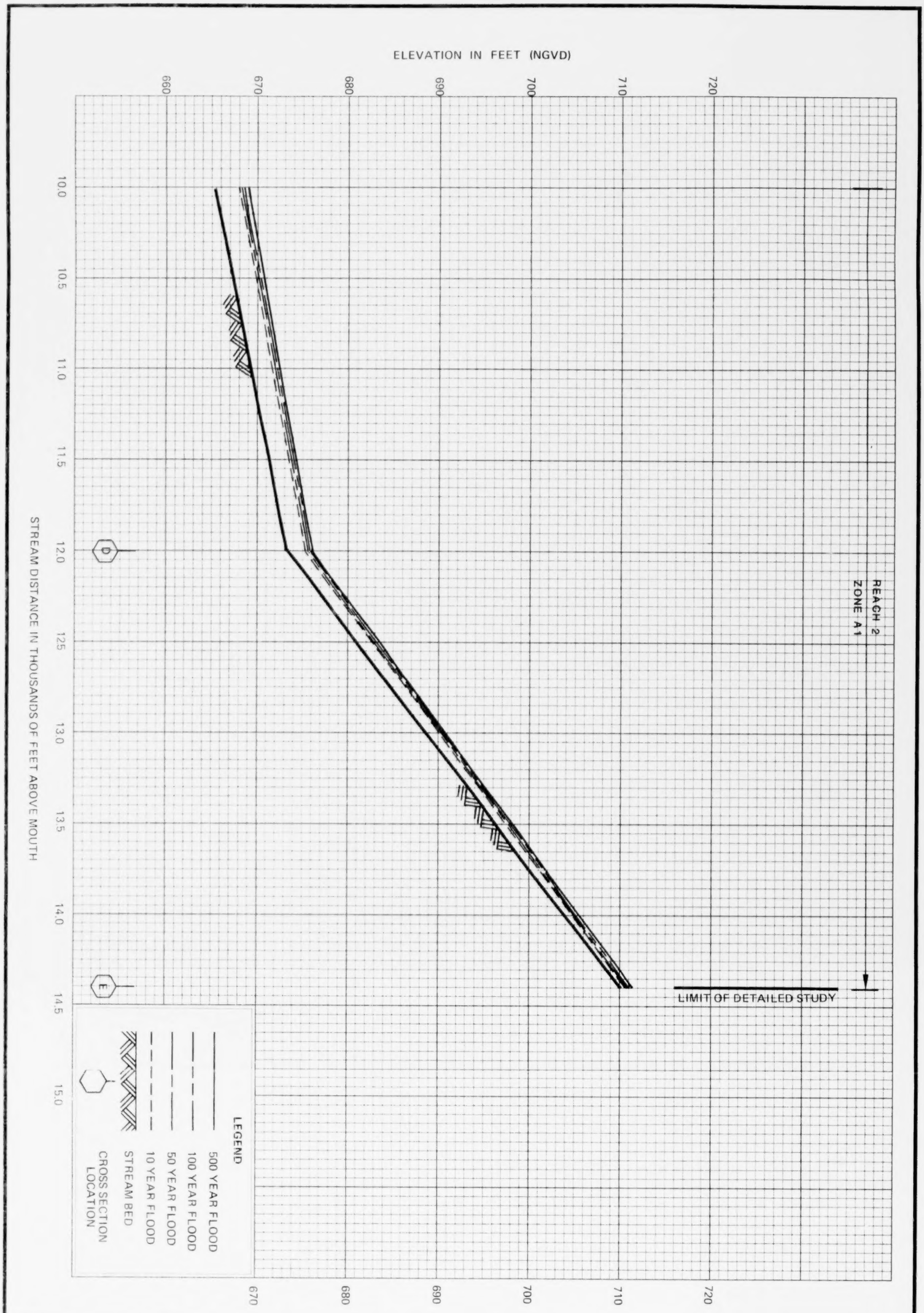
72P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF CALUMET SAG CHANNEL



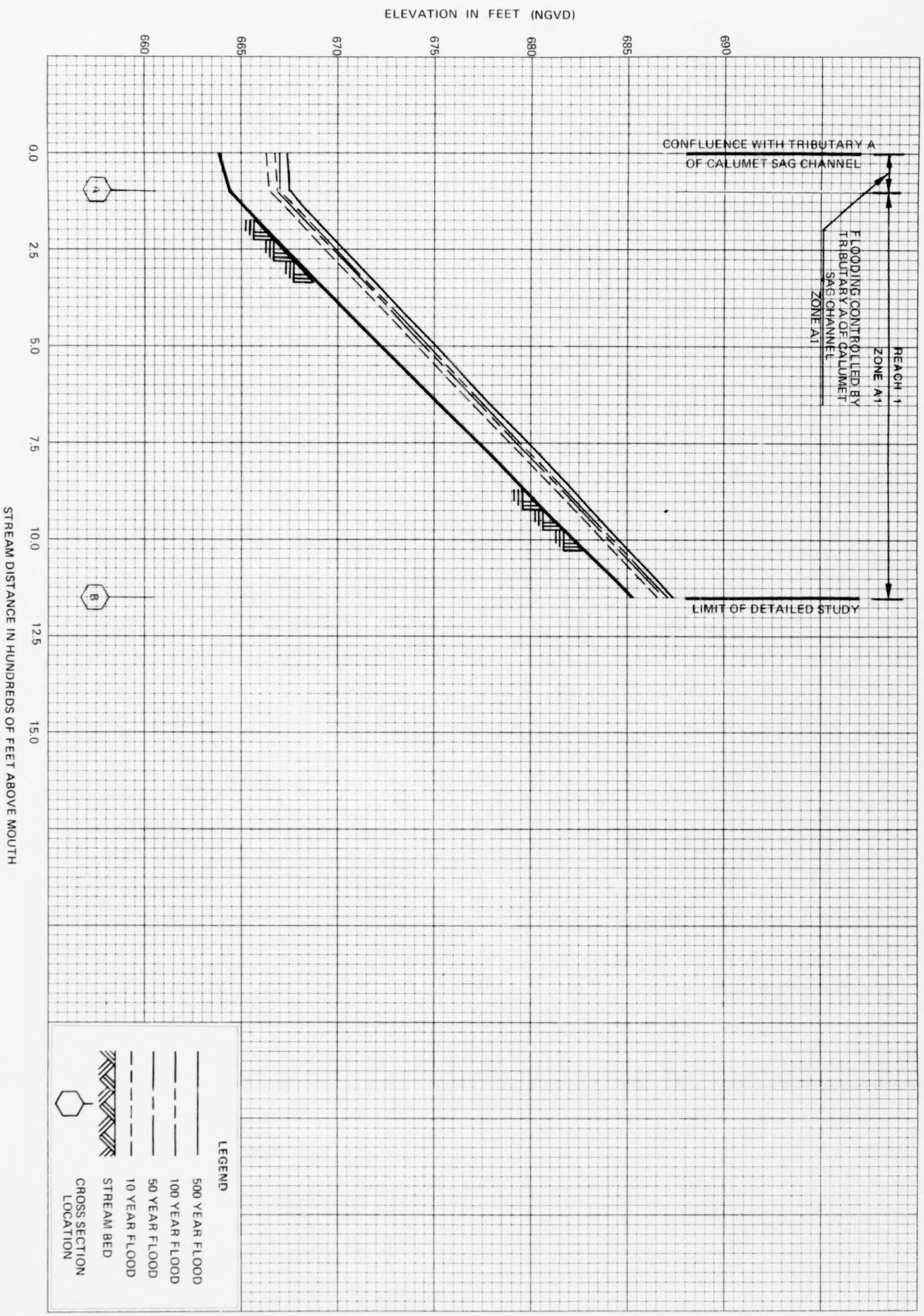
73P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF CALUMET SAG CHANNEL



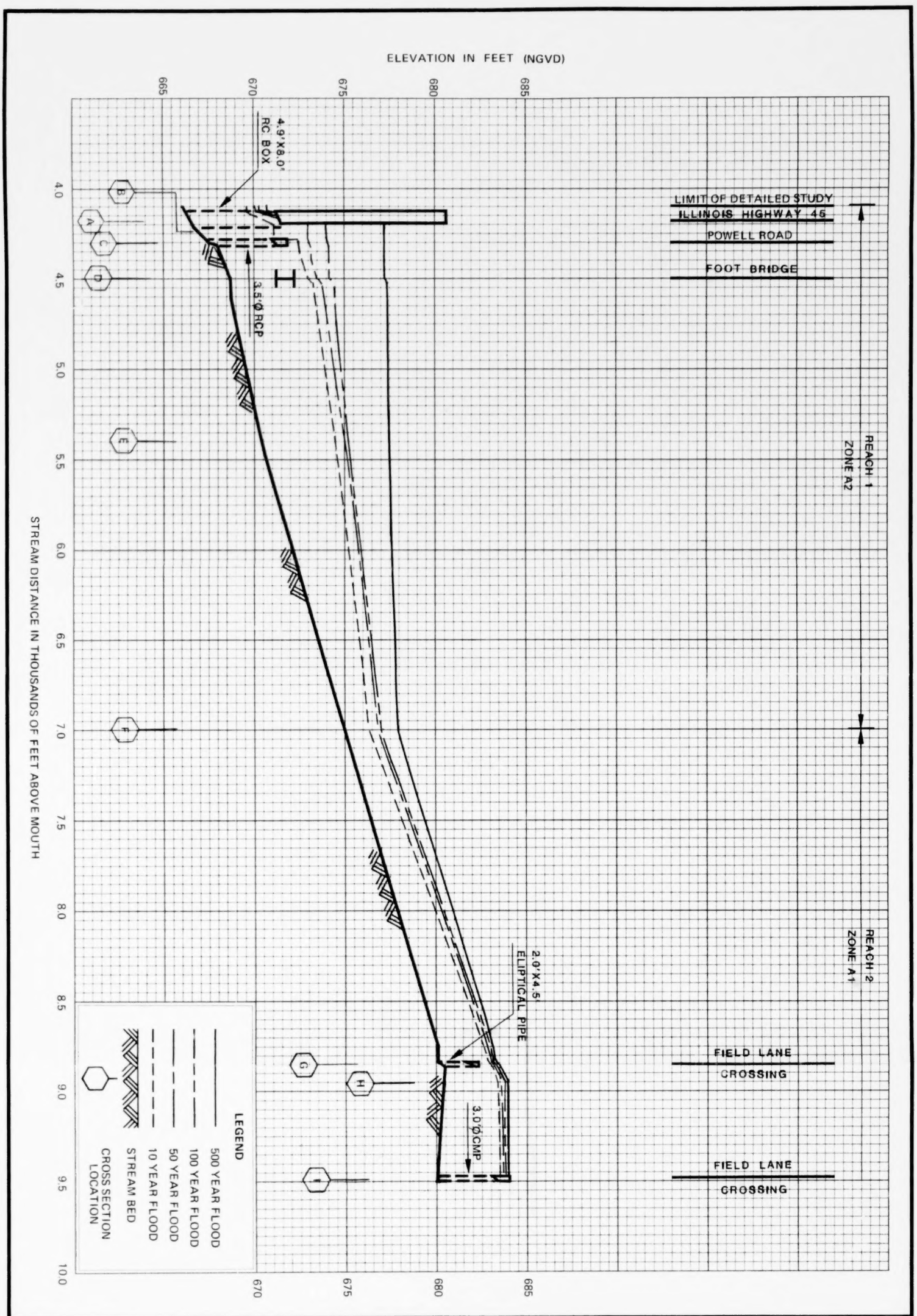
74P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY AA OF CALUMET SAG CHANNEL



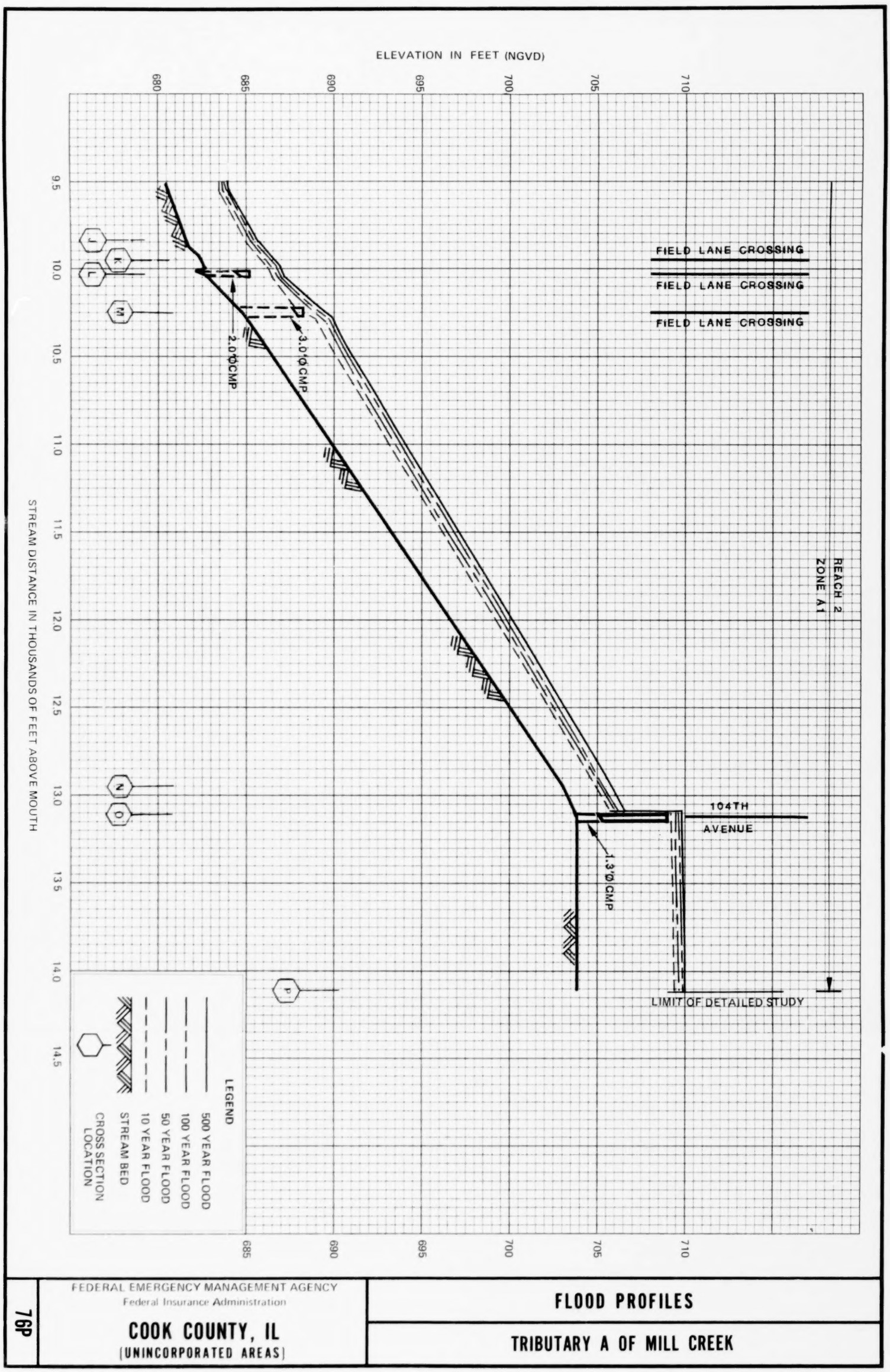
75P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF MILL CREEK



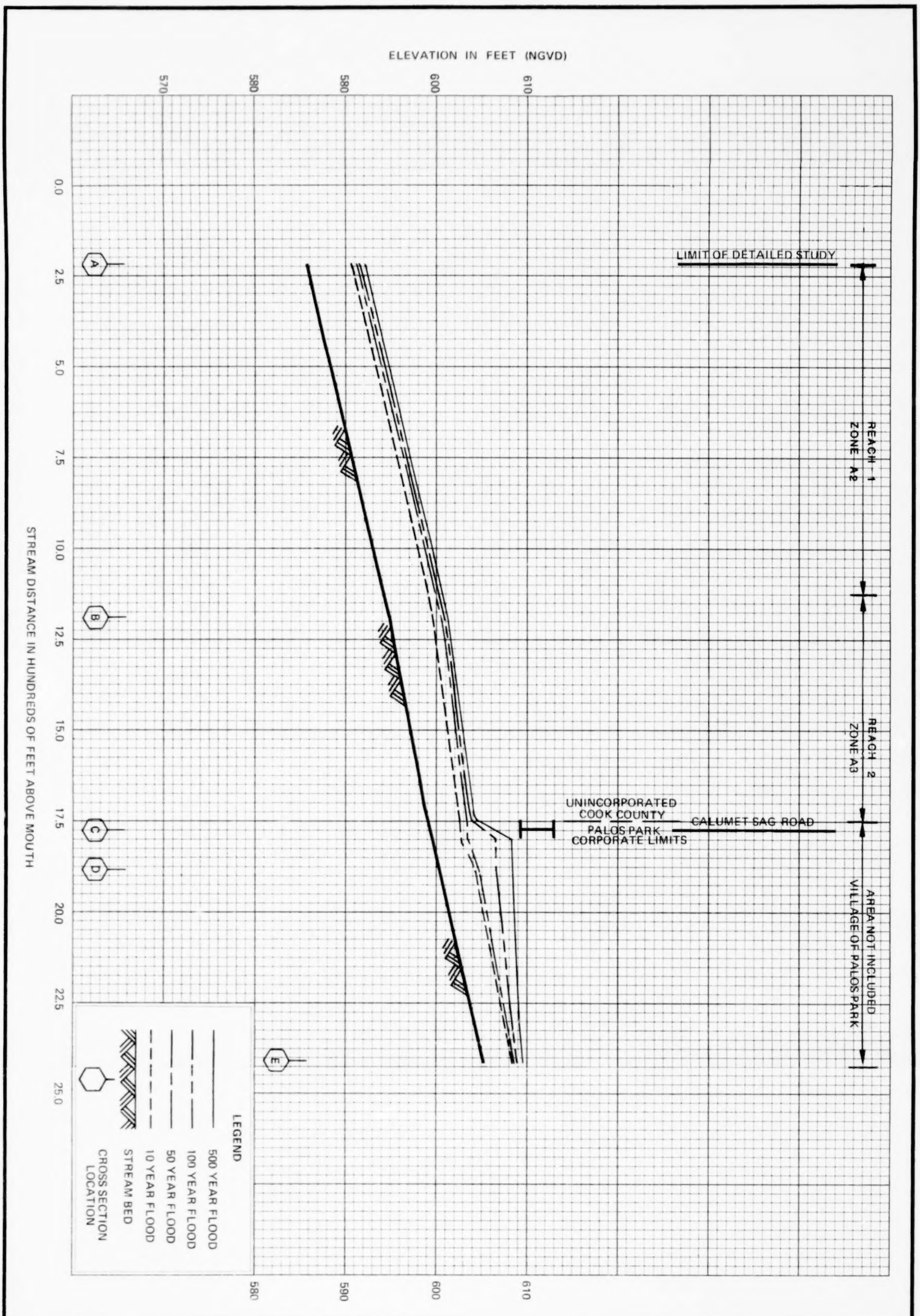
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF MILL CREEK

76P



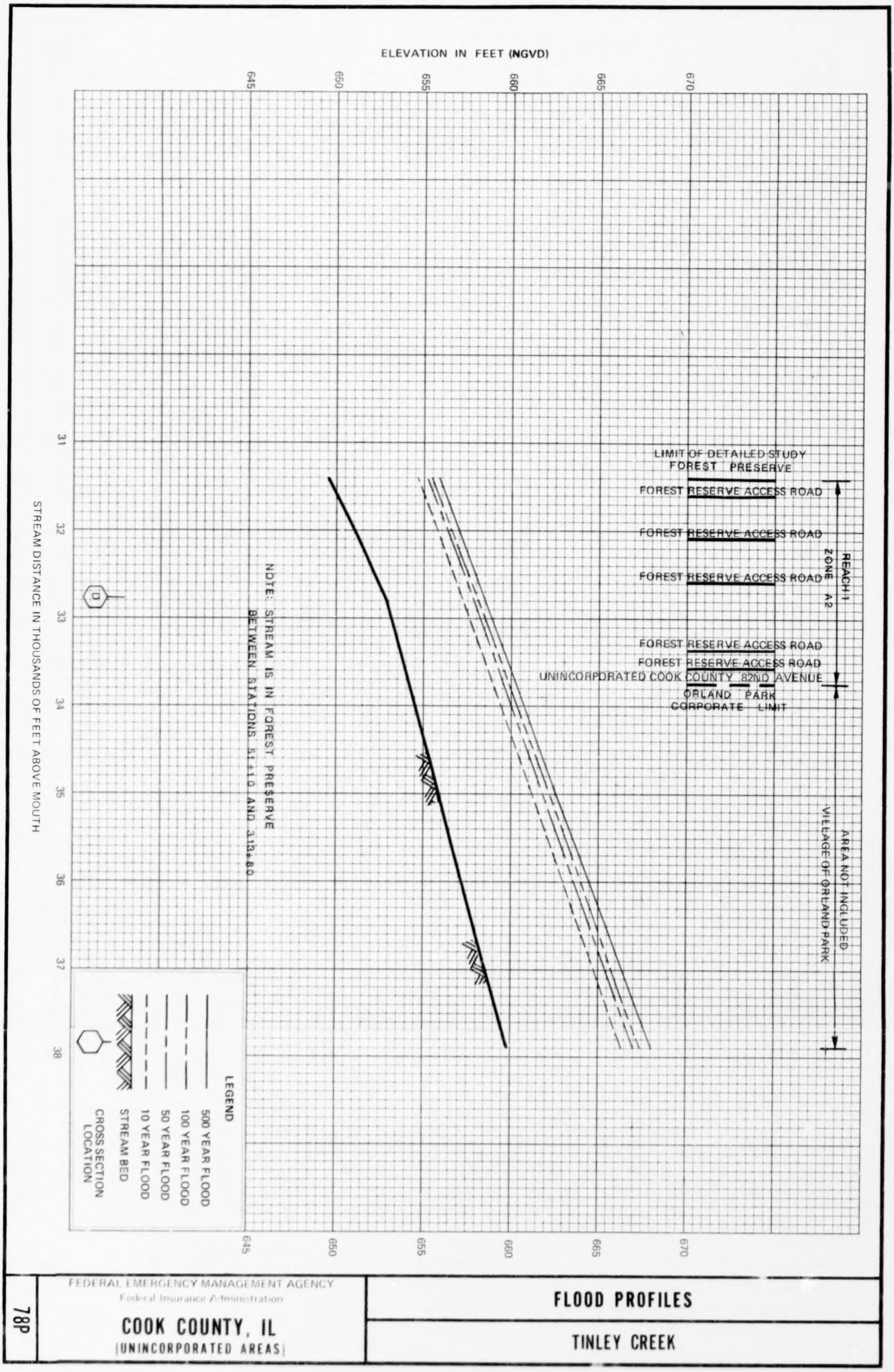
77P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF CALUMET SAG CHANNEL



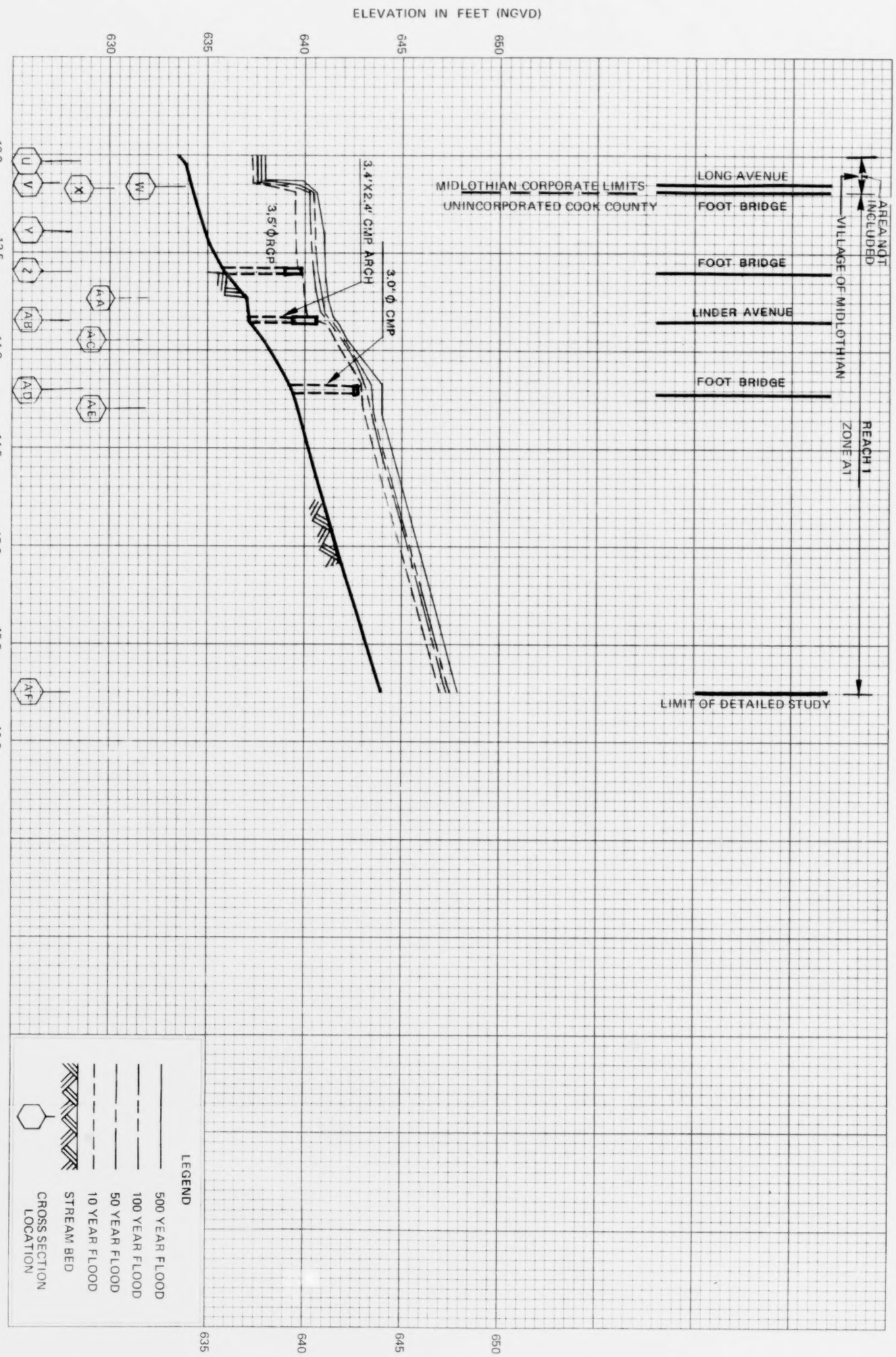
78P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TINLEY CREEK



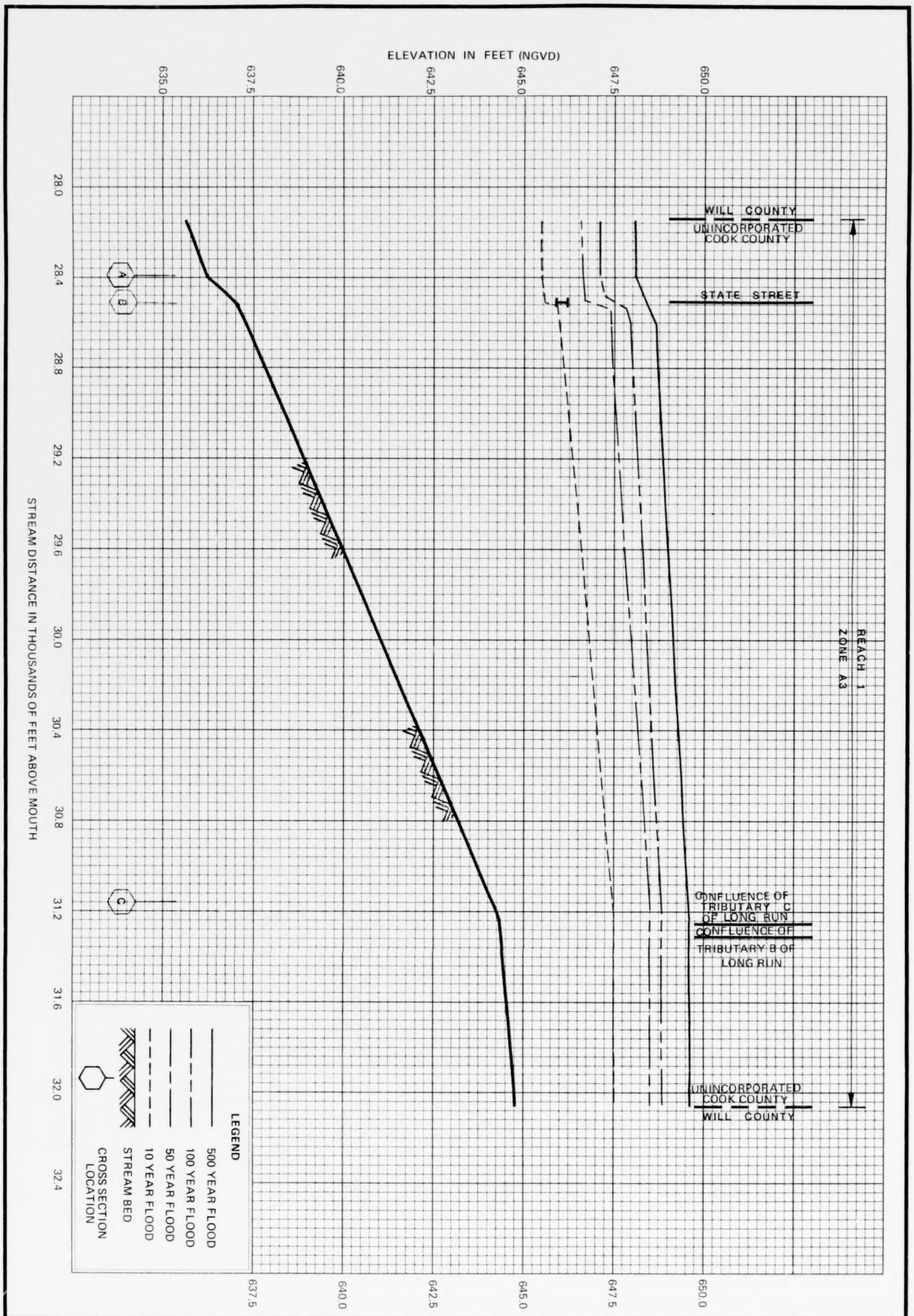
79P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY C OF CALUMET SAG CHANNEL



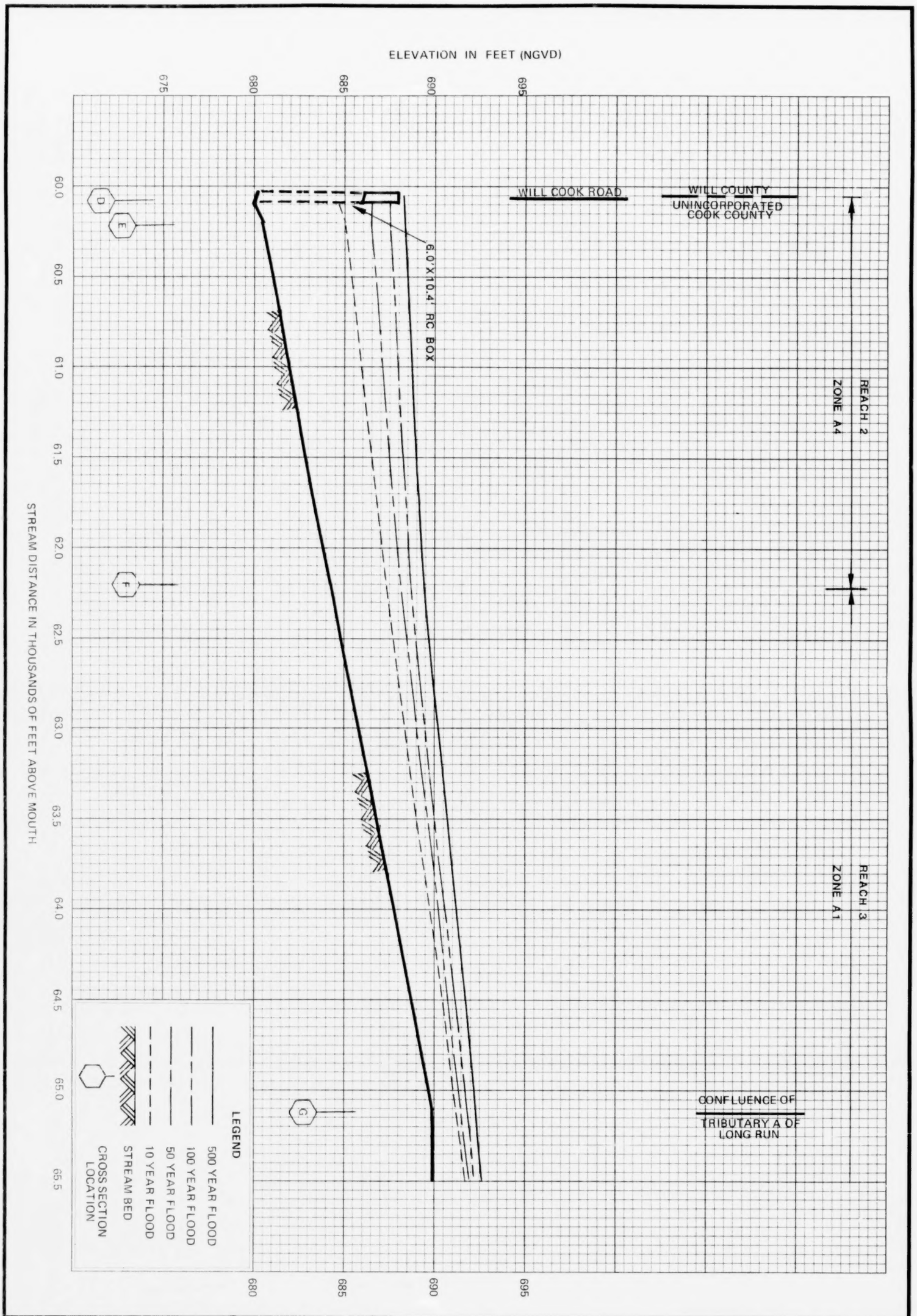
80P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

LONG RUN



81P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

LONG RUN

REACH 3

ZONE A1

143 RD. STREET

LIMIT OF DETAILED STUDY

2.0' CMP

THE 50-YEAR FLOOD PROFILE IS TOO CLOSE TO THE 100-YEAR ELEVATION TO BE SHOWN SEPARATELY.

ELEVATION IN FEET (NGVD)

700
695
690
685

65.5 66.0 66.5 67.0 67.5 68.0

STREAM DISTANCE IN THOUSANDS OF FEET ABOVE MOUTH

H I J

LEGEND

- 500 YEAR FLOOD
- 100 YEAR FLOOD
- 50 YEAR FLOOD
- 10 YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

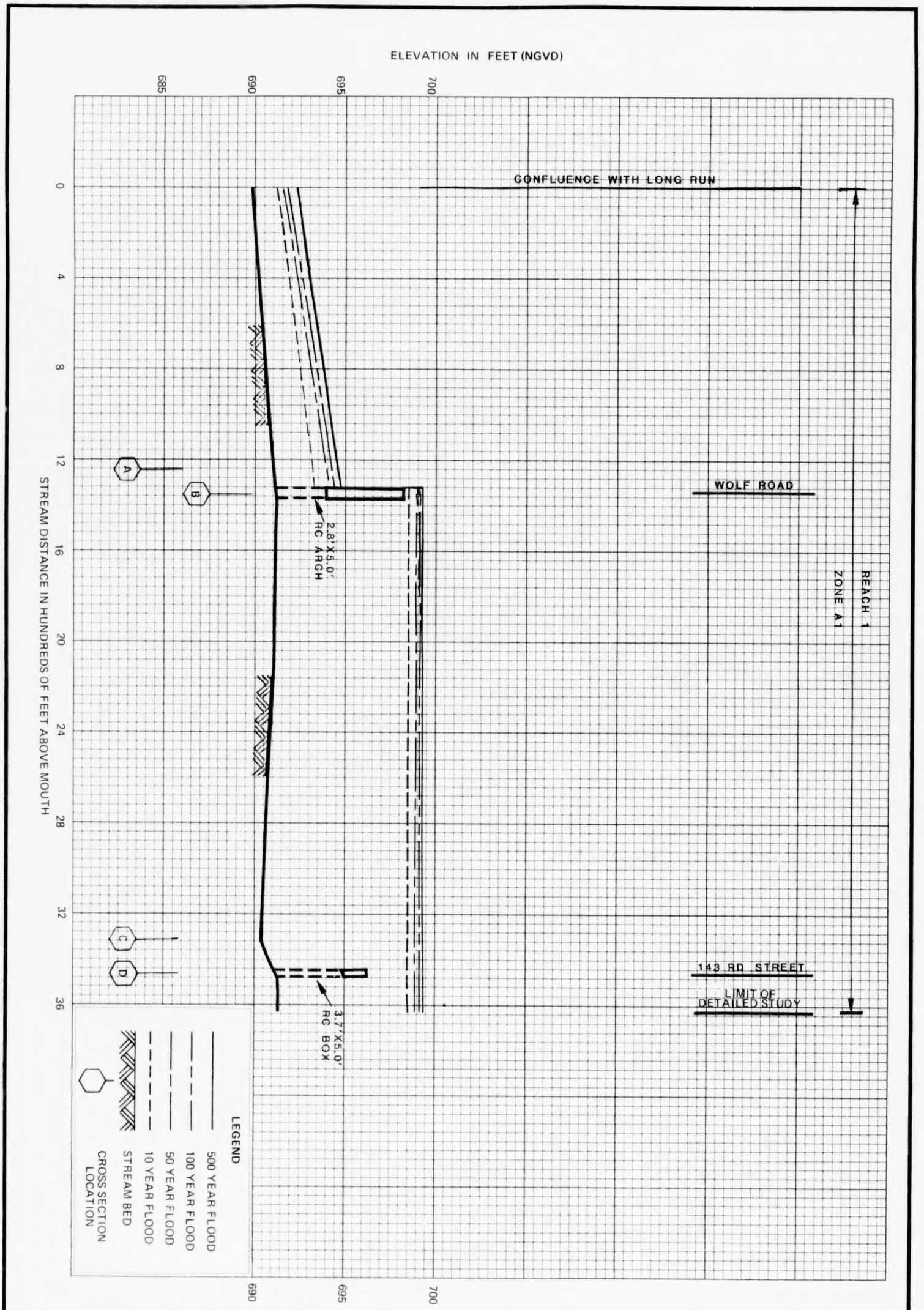
FLOOD PROFILES

LONG RUN

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

82P

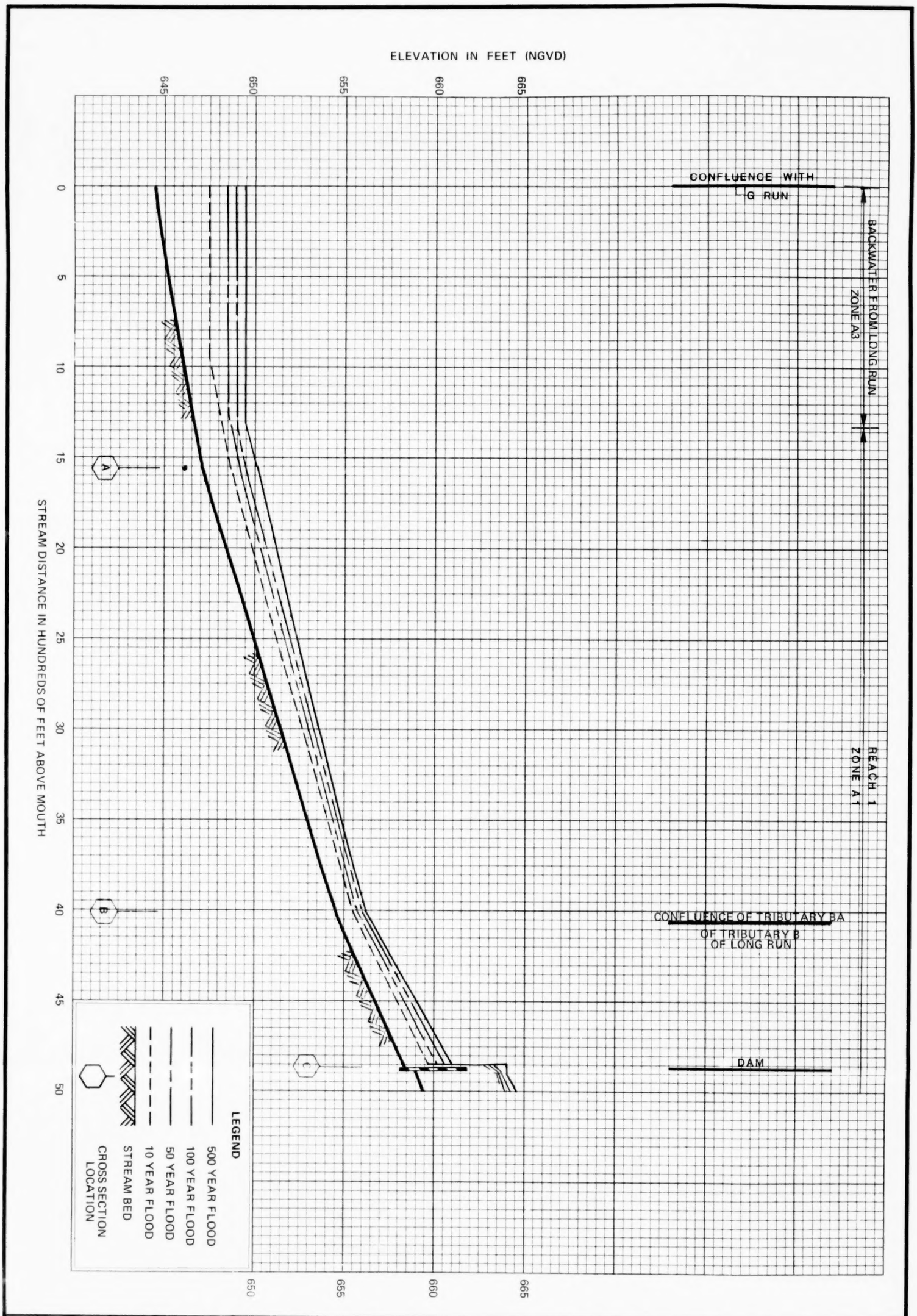


FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY A OF LONG RUN



84P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF LONG RUN

REACH 1
ZONE A1

REACH 2
ZONE A2

REACH 3
ZONE A4

MAPLE STREET

FOOTBRIDGE
PRIVATE DRIVE

131 ST STREET

DERBY ROAD

7.7'X8.5'
ELLIPTICAL CMP

2-7'X8.7' RC BOX

9.6' ØRCP
(PARTIALLY BURIED)

ELEVATION IN FEET (NGVD)

690
685
680
675
670
665
660
655

55 60 65 70 75 80 85 90 95 100

STREAM DISTANCE IN HUNDREDS OF FEET ABOVE MOUTH

D E F G H I J K L

LEGEND

500 YEAR FLOOD
100 YEAR FLOOD
50 YEAR FLOOD
10 YEAR FLOOD
STREAM BED
CROSS SECTION LOCATION

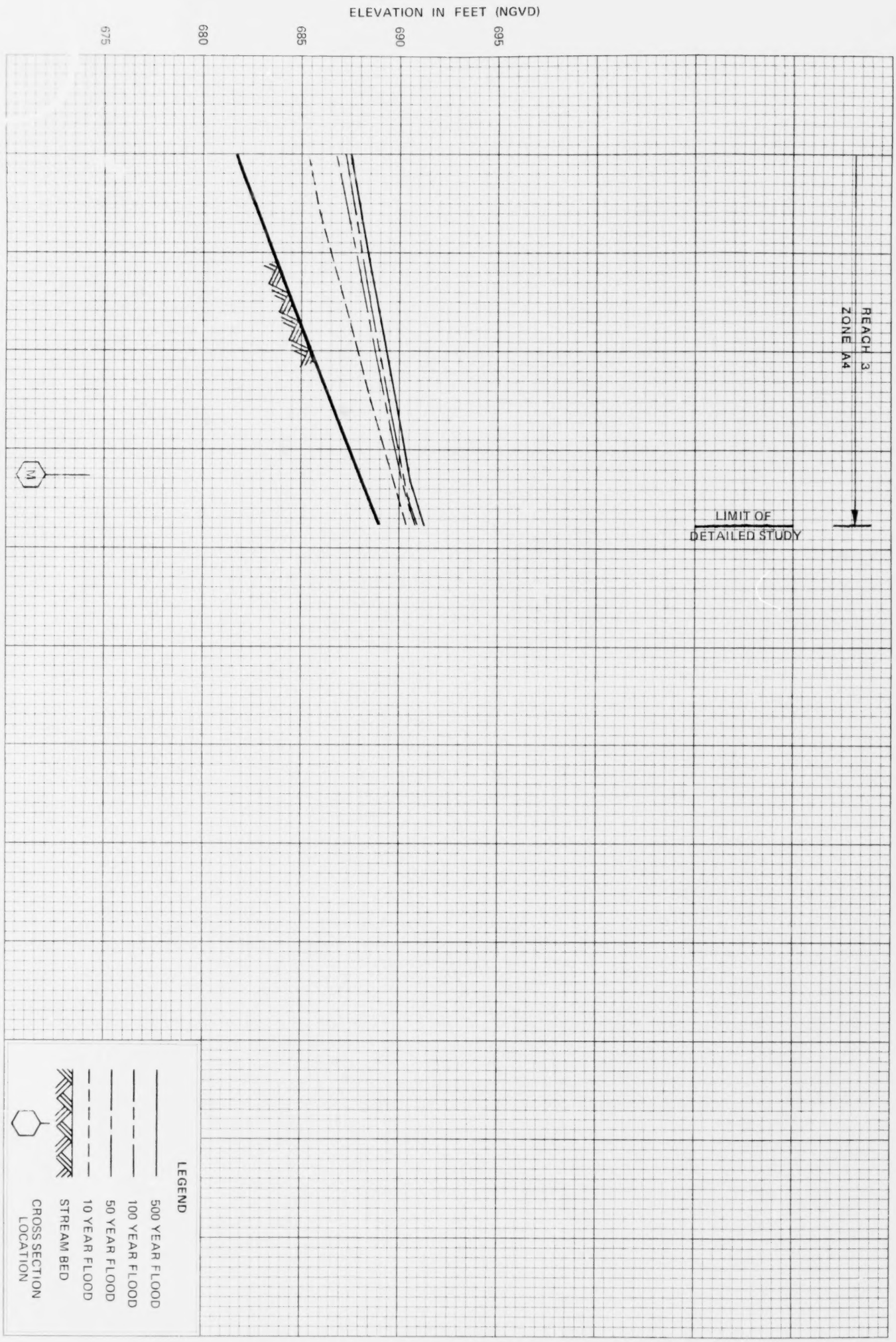
FLOOD PROFILES

TRIBUTARY B OF LONG RUN

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

85P

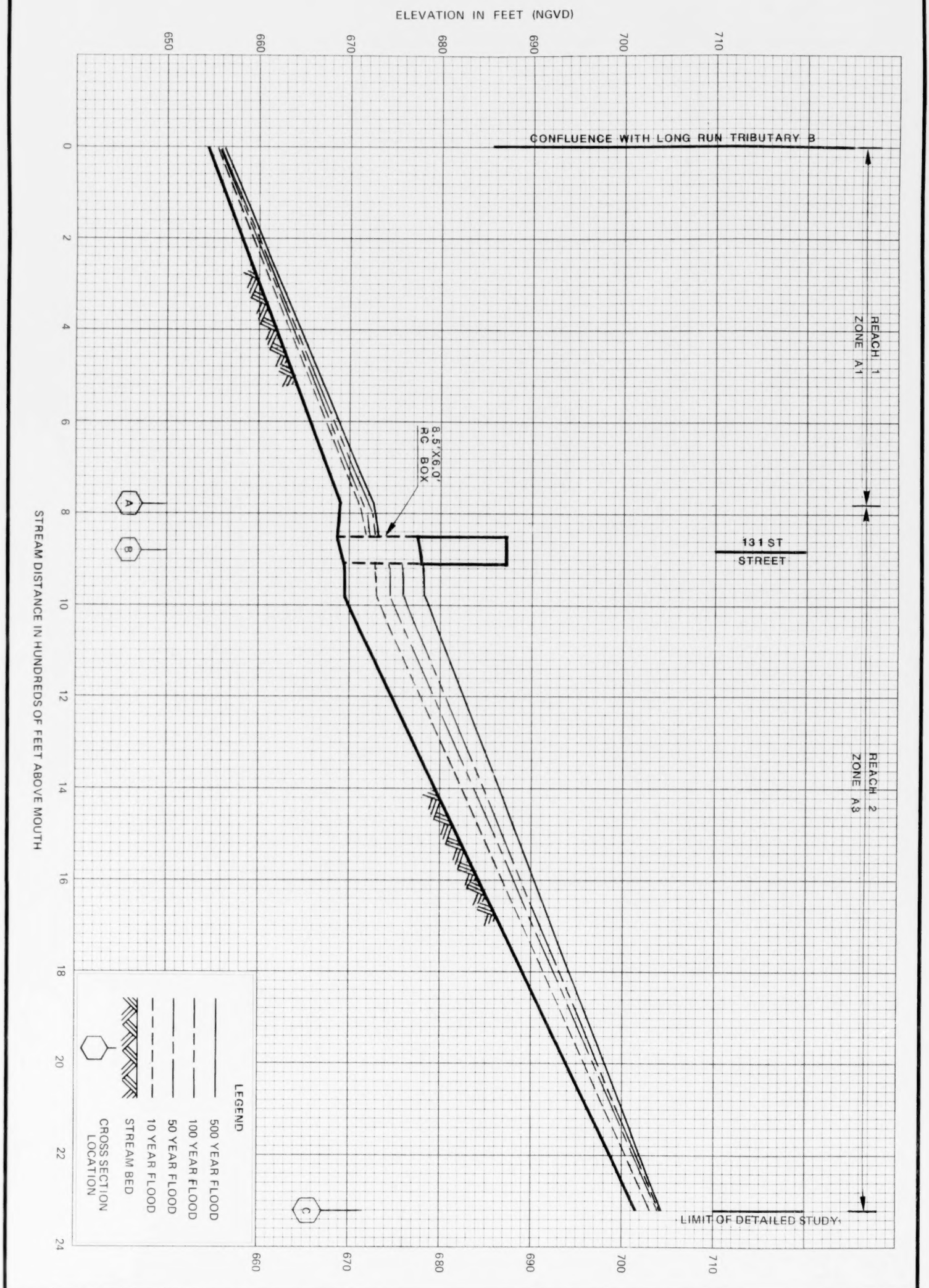


FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF LONG RUN



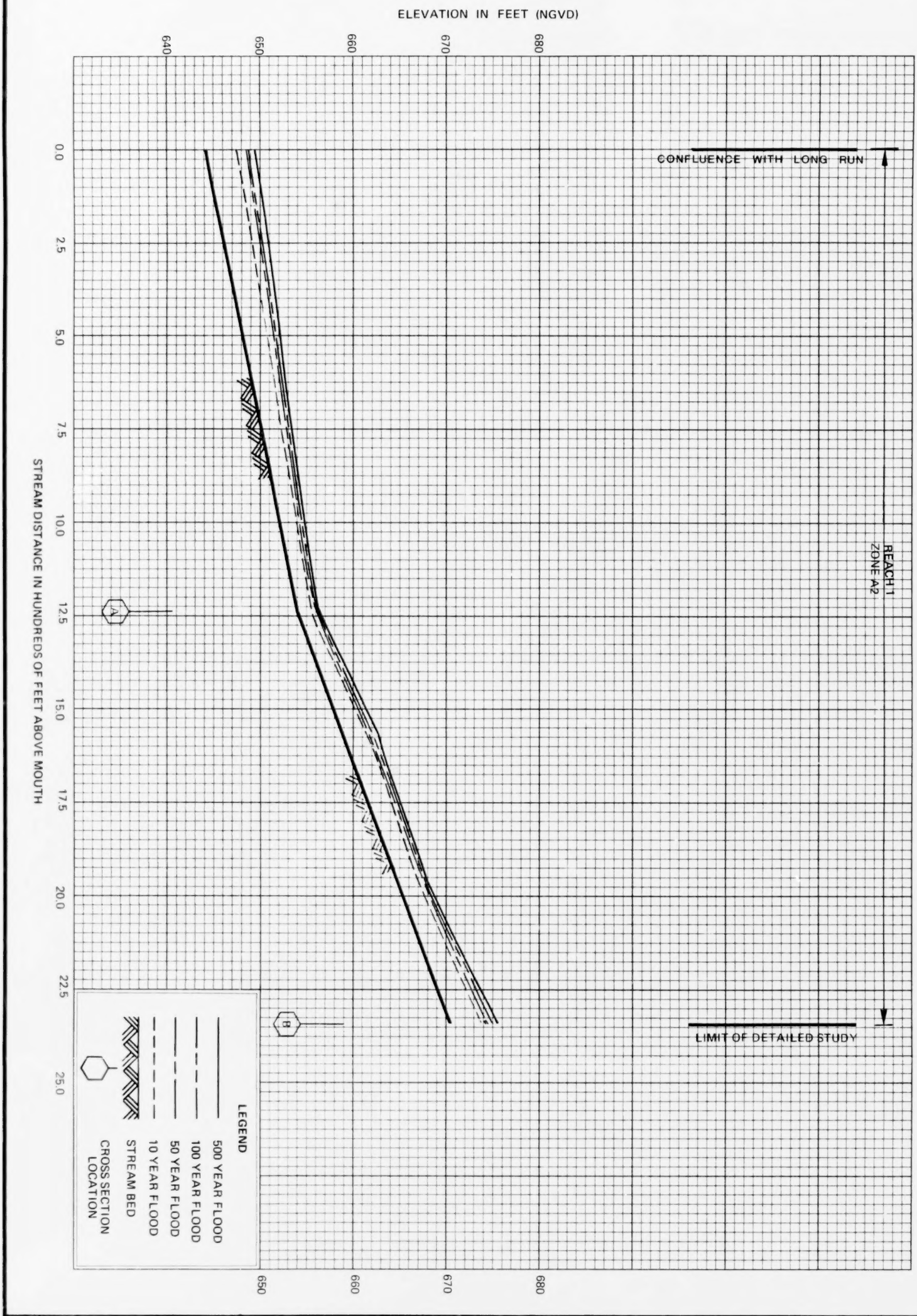
87P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY BA OF LONG RUN



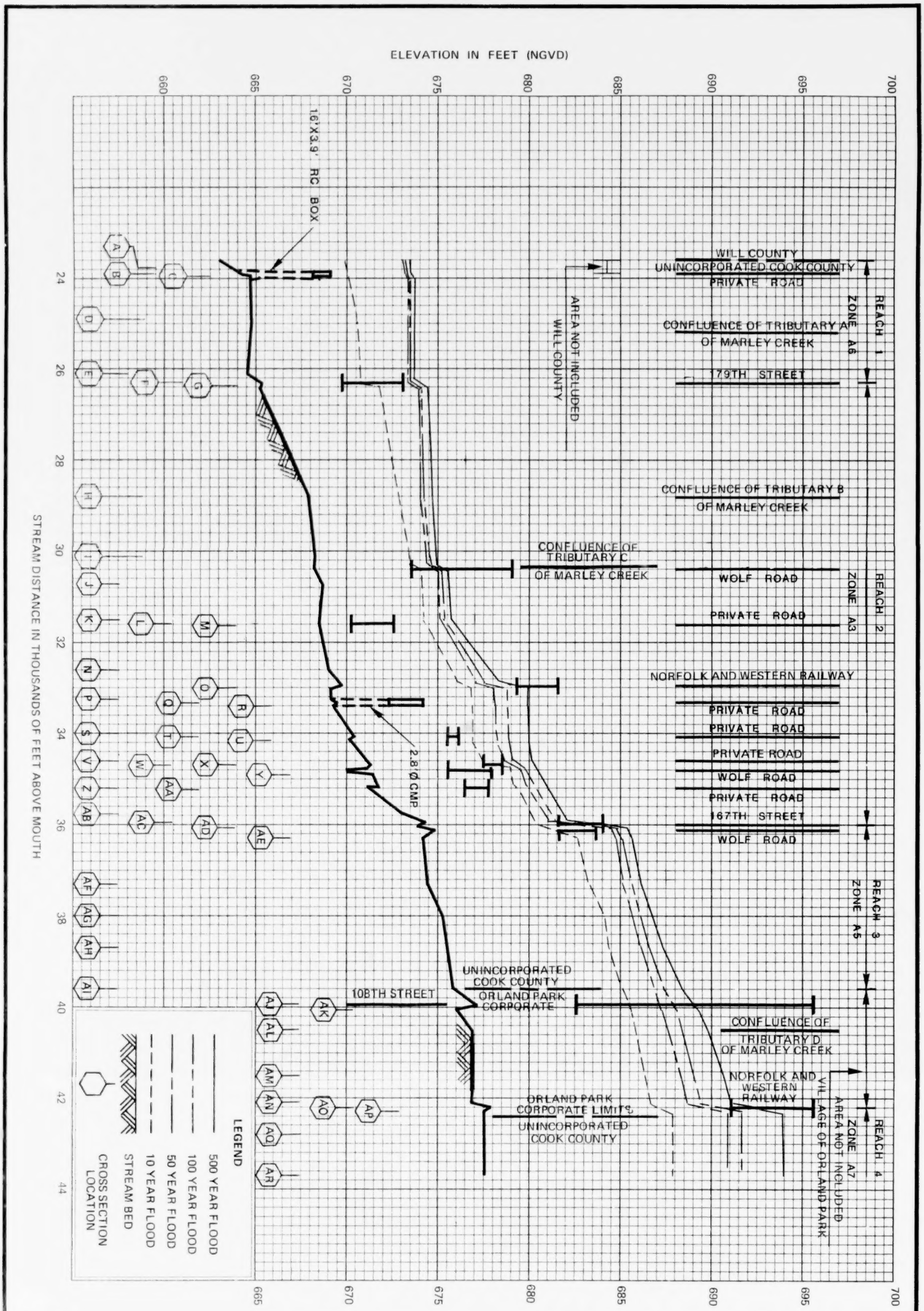
88P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY C OF LONG RUN



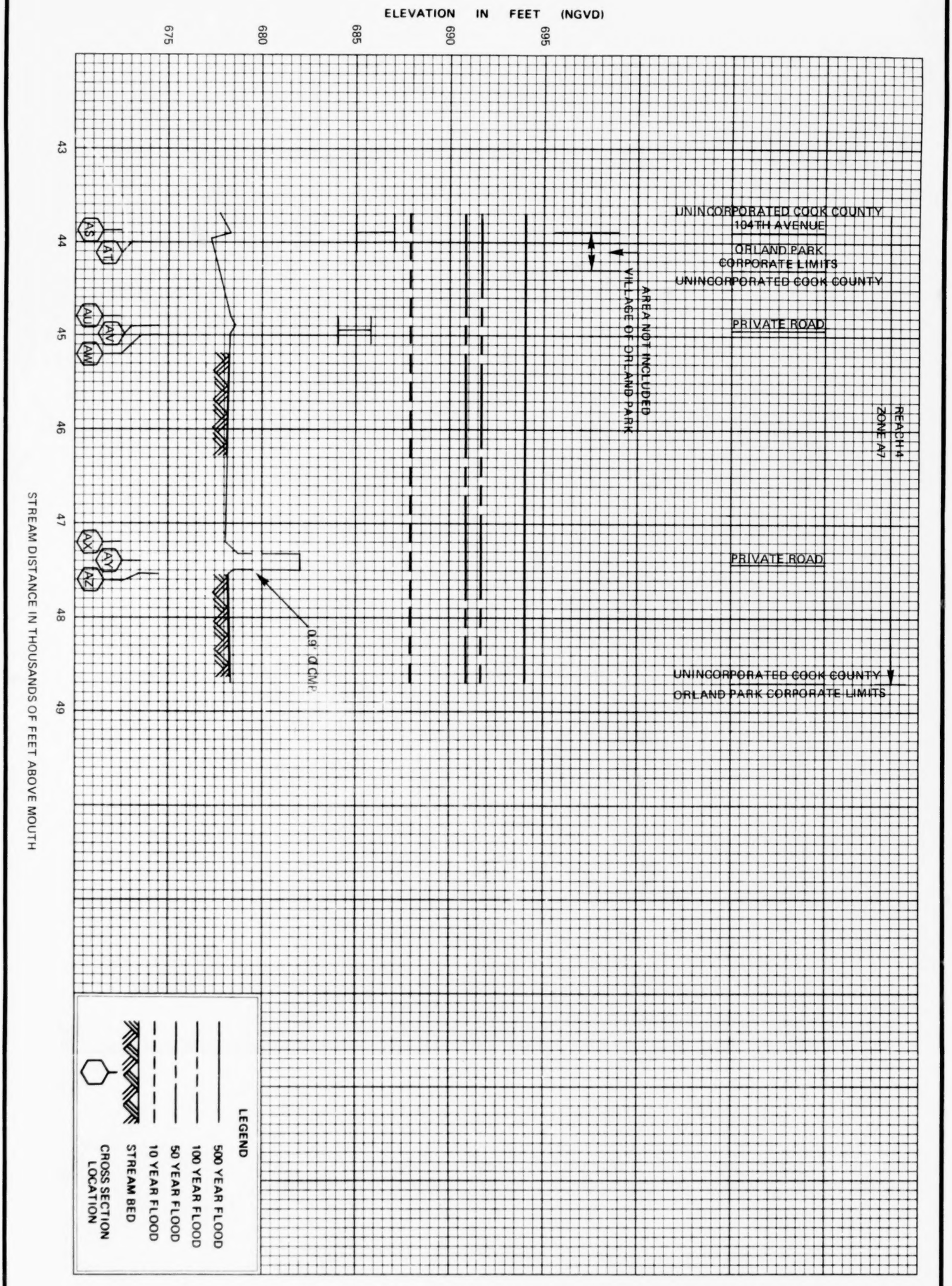
89P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

MARLEY CREEK

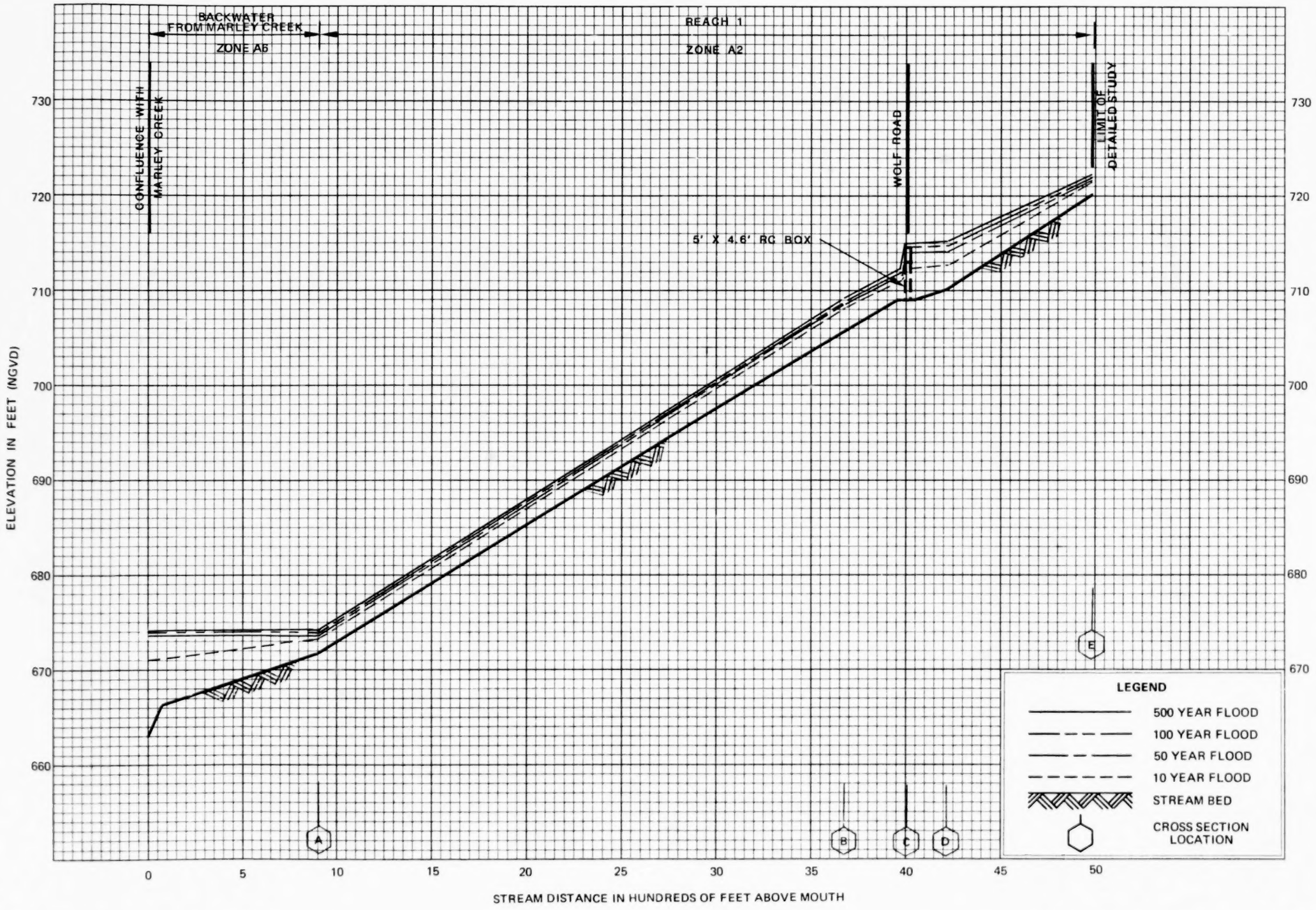


FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

MARLEY CREEK

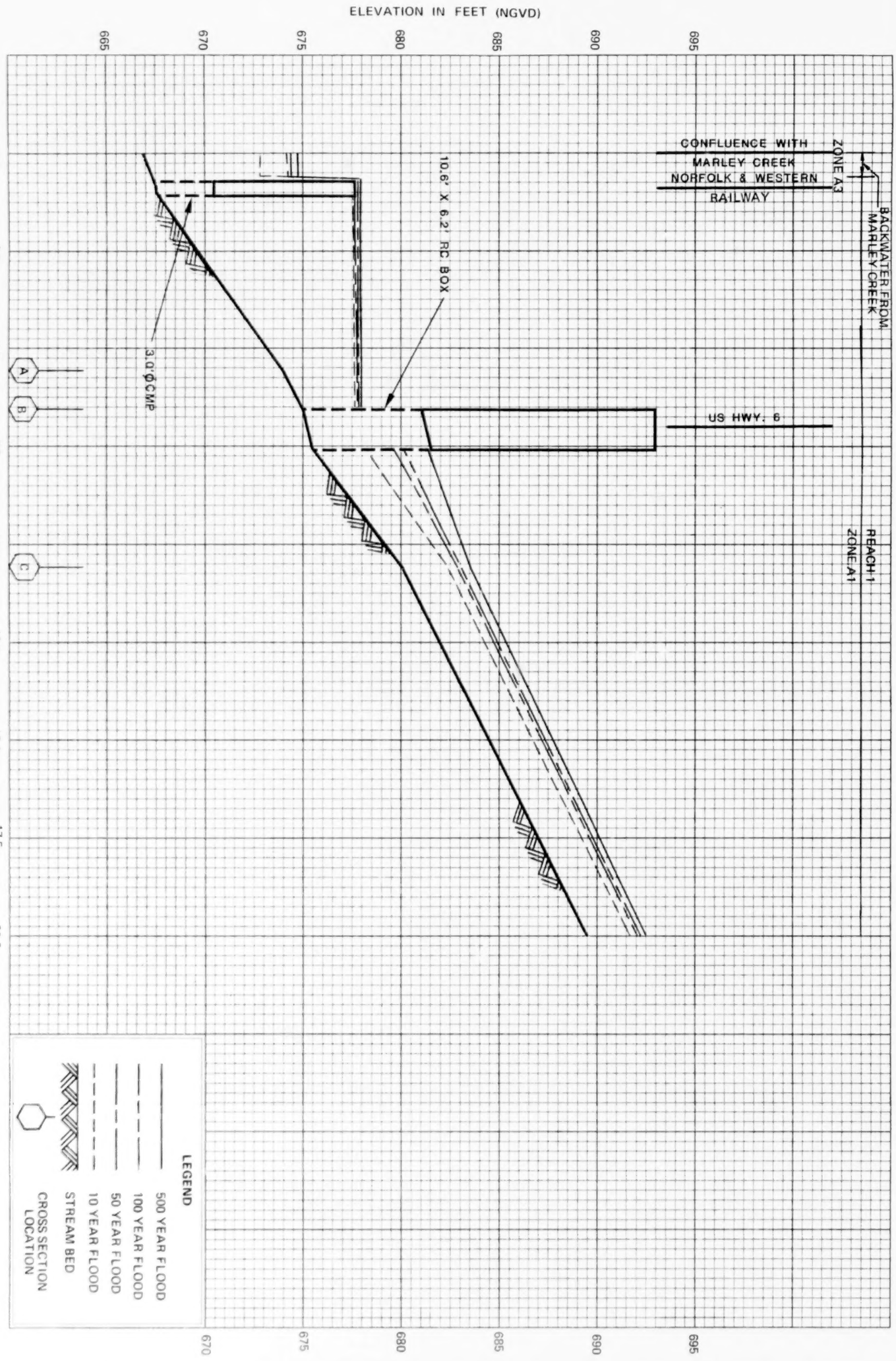


FLOOD PROFILES

TRIBUTARY A OF MARLEY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
[UNINCORPORATED AREAS]

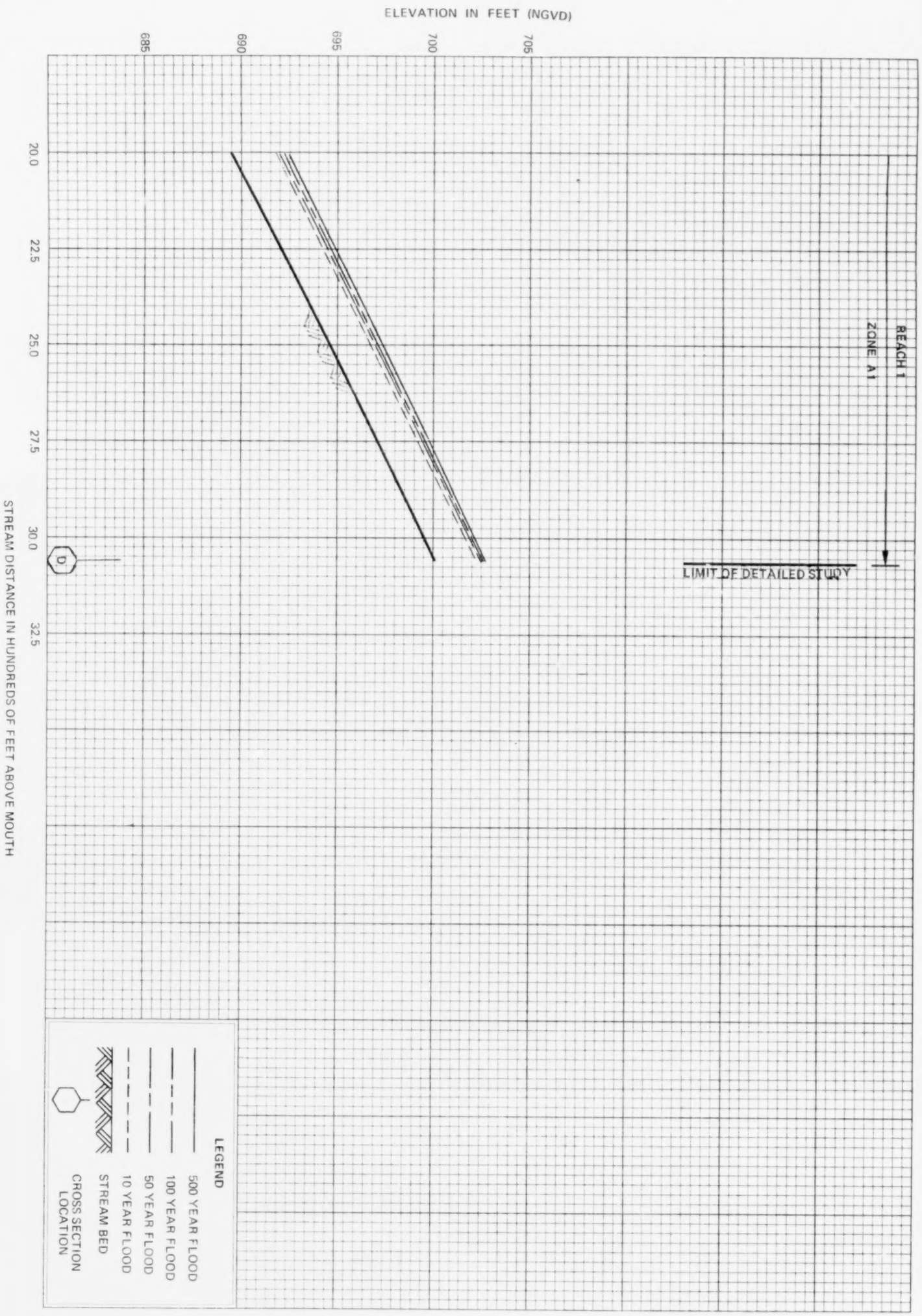


FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF MARLEY CREEK



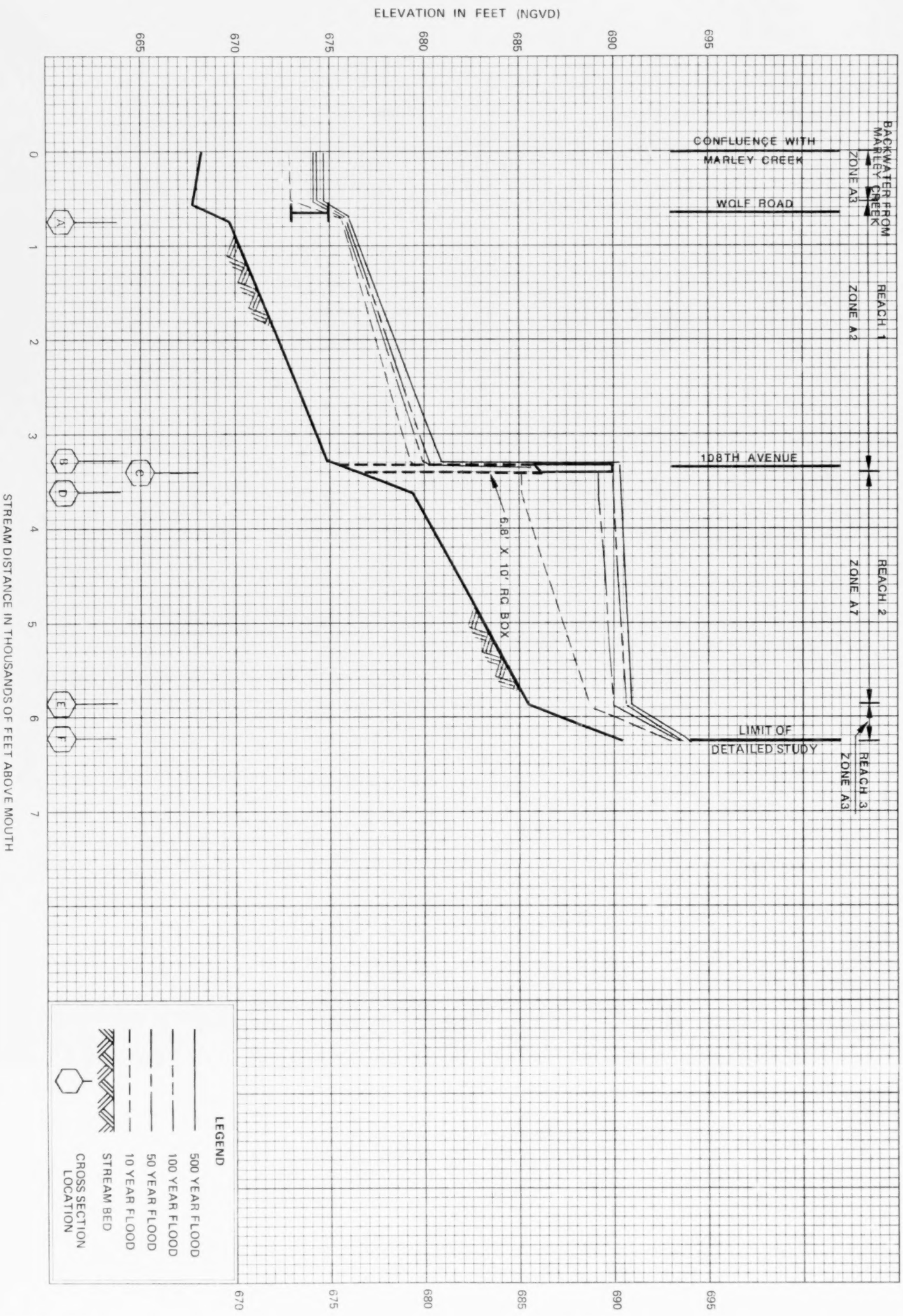
93P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY B OF MARLEY CREEK



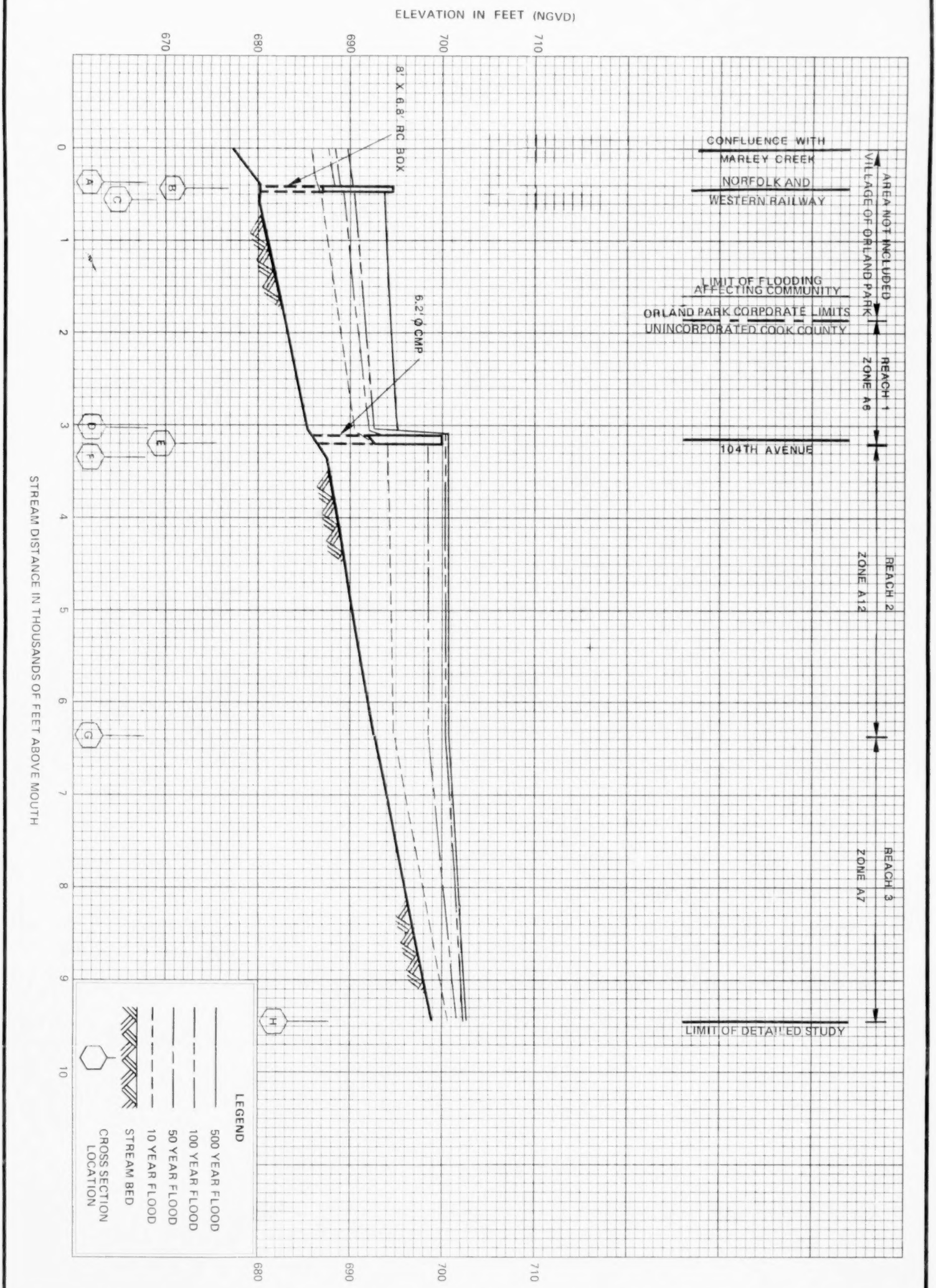
94P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY C OF MARLEY CREEK



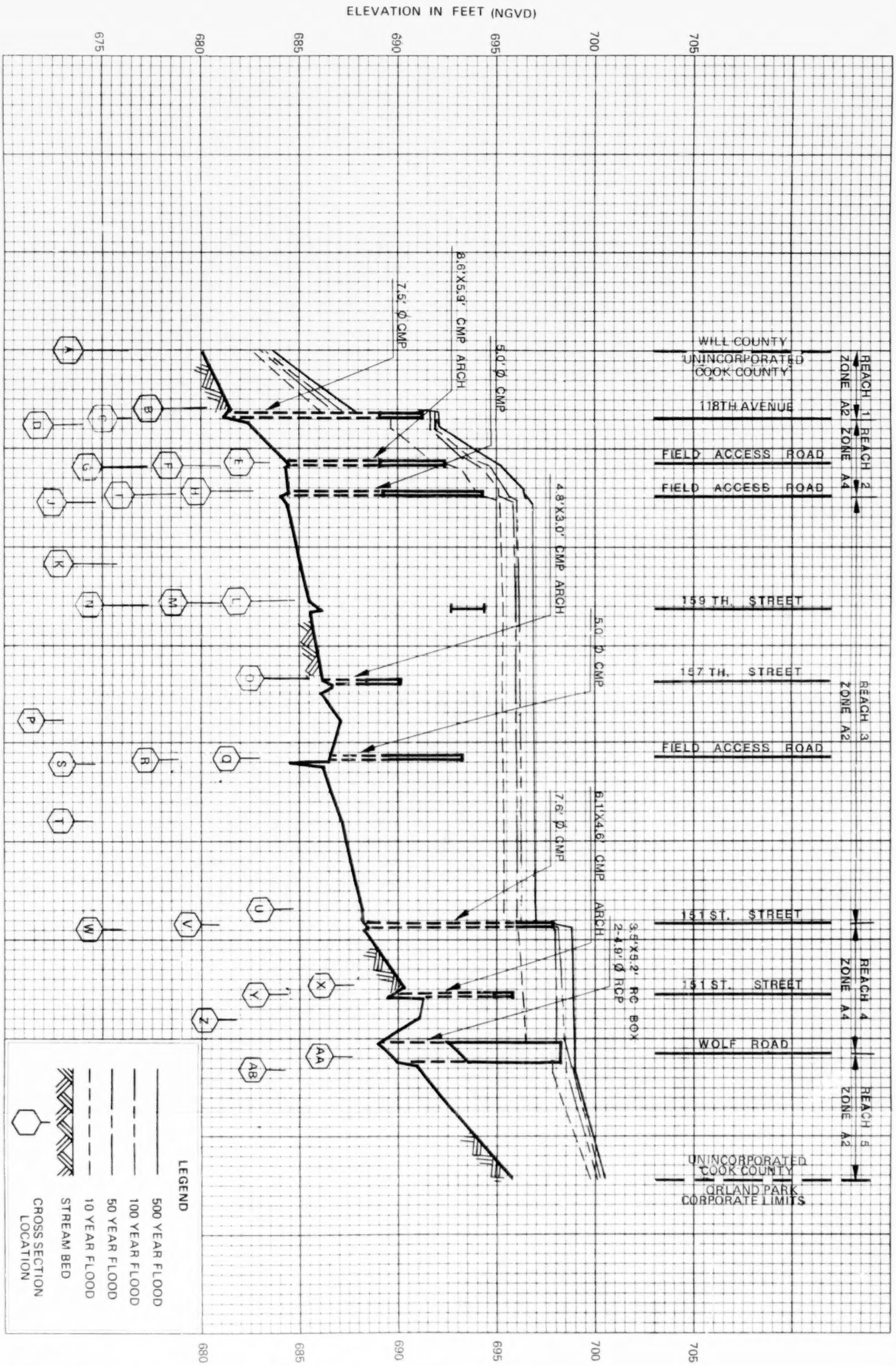
95P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY D OF MARLEY CREEK



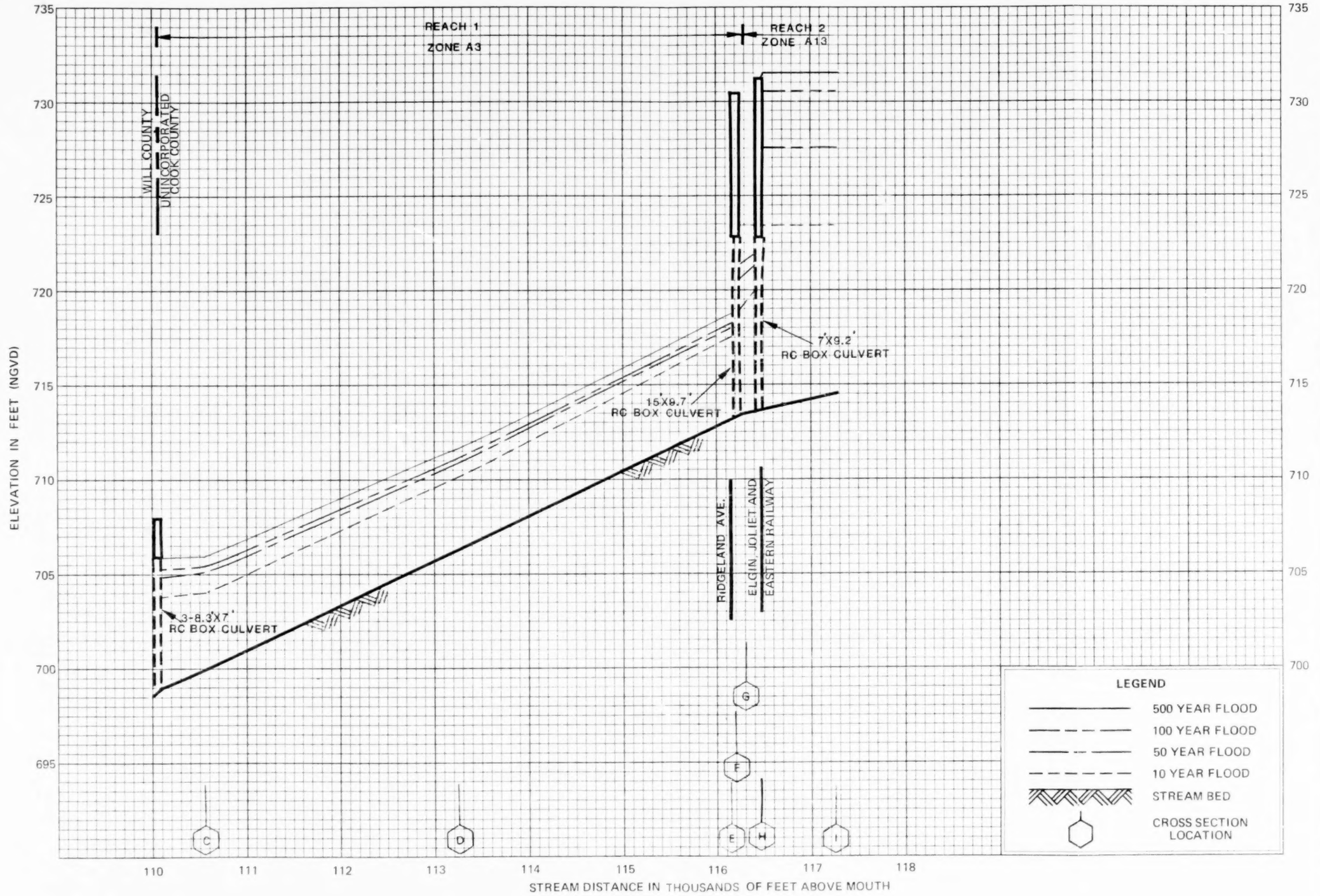
FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

SPRING CREEK

96P



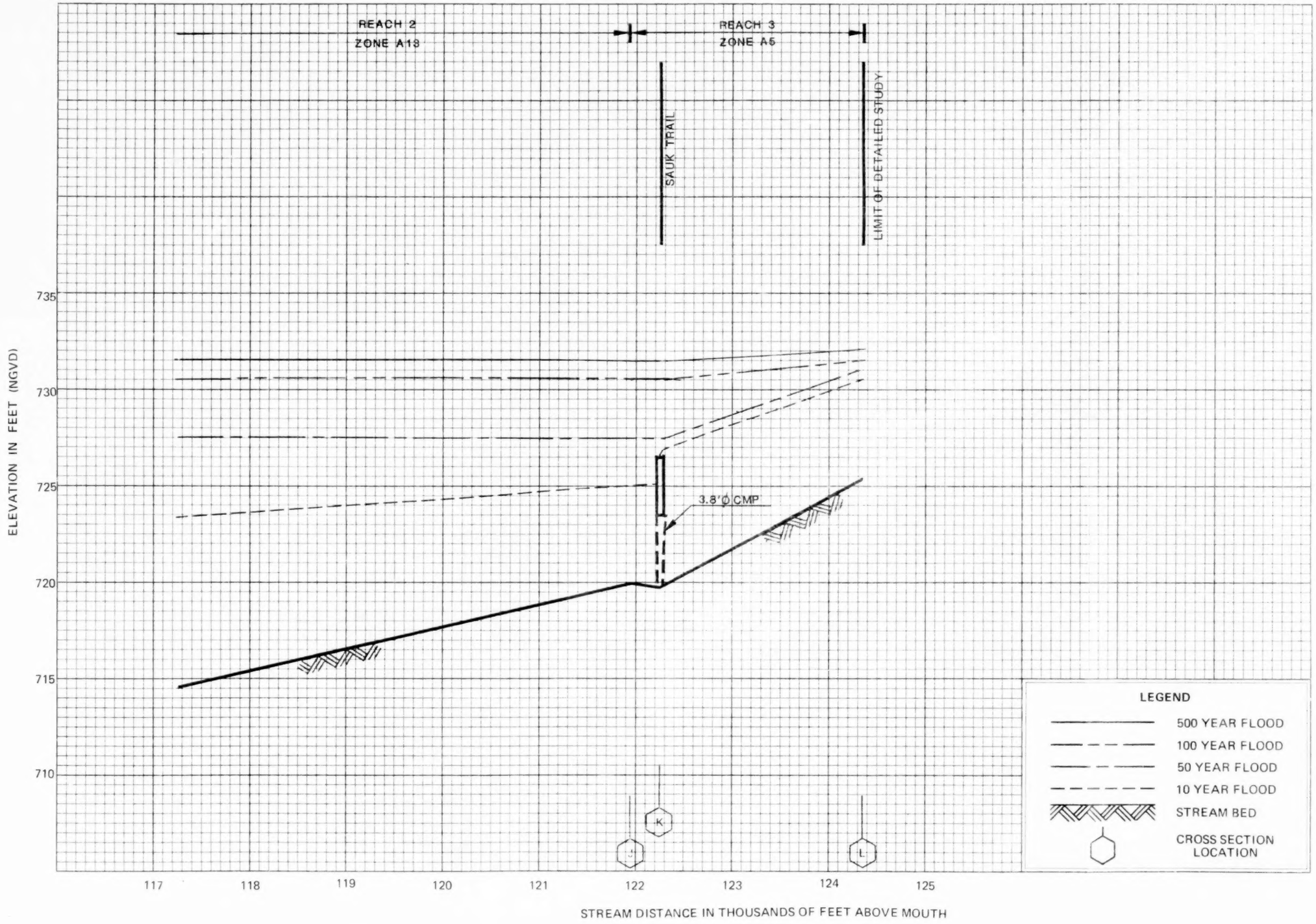
FLOOD PROFILES

HICKORY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

97P



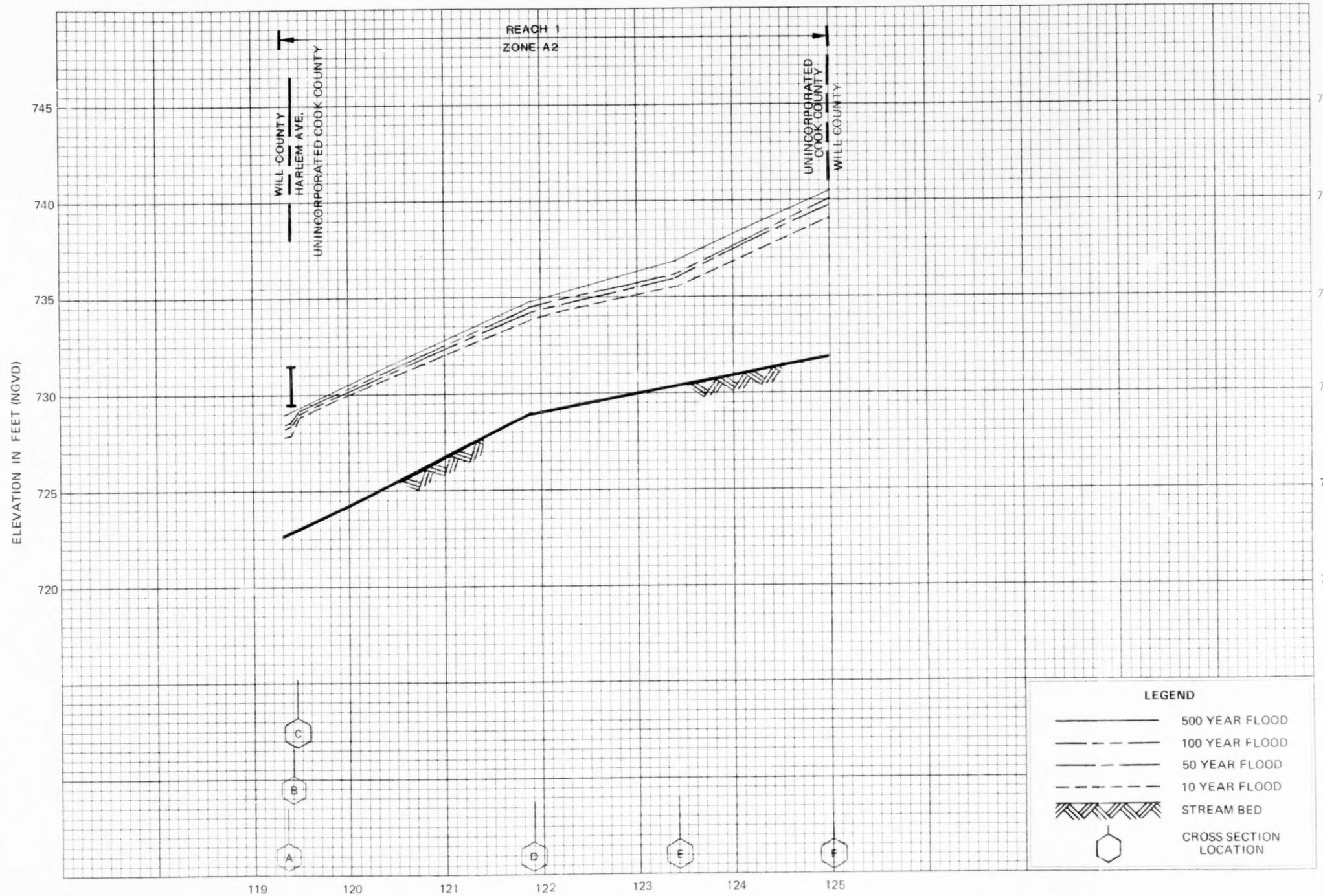
FLOOD PROFILES

HICKORY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

98P



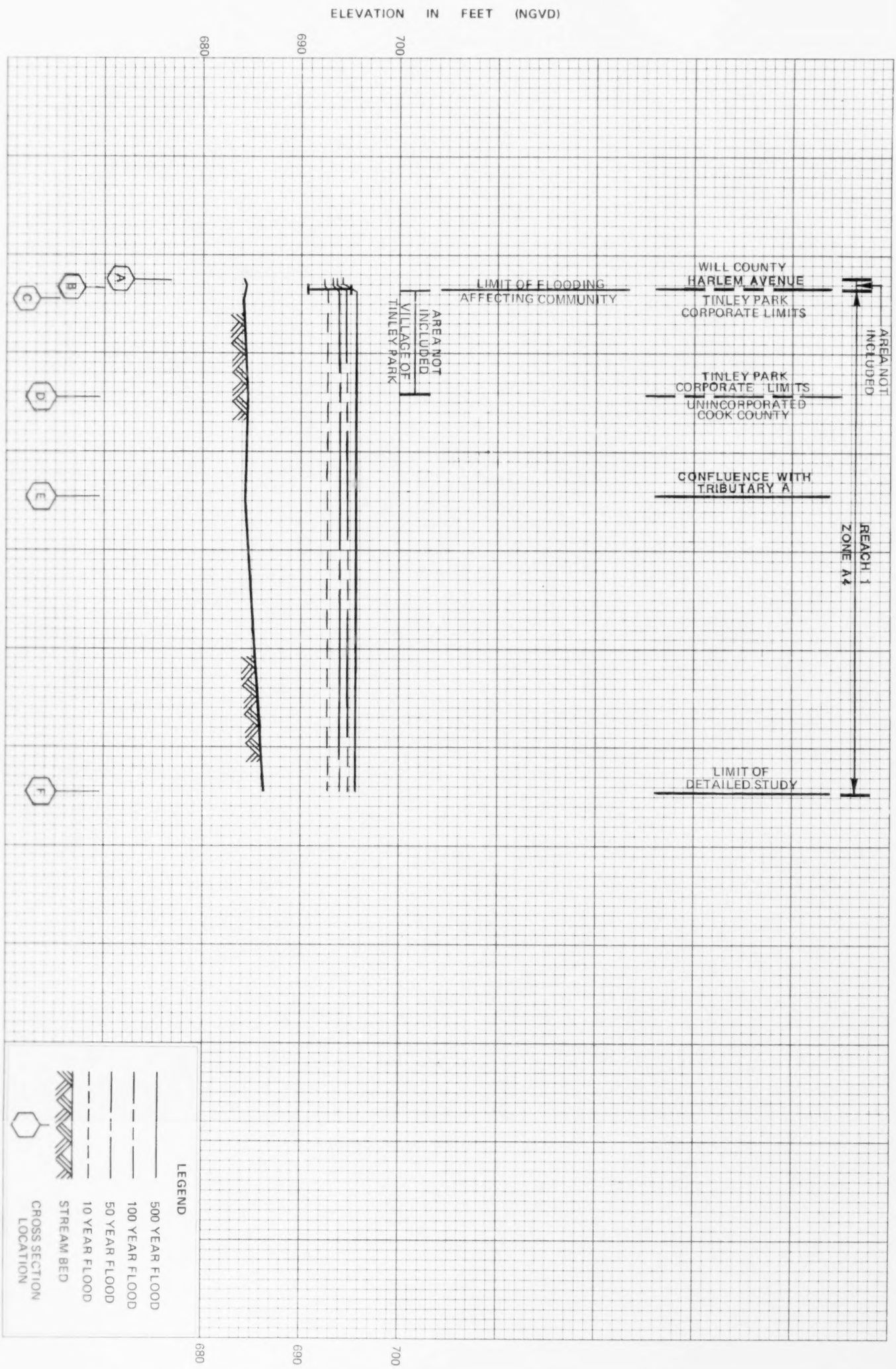
FLOOD PROFILES

TRIBUTARY A OF HICKORY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

99P



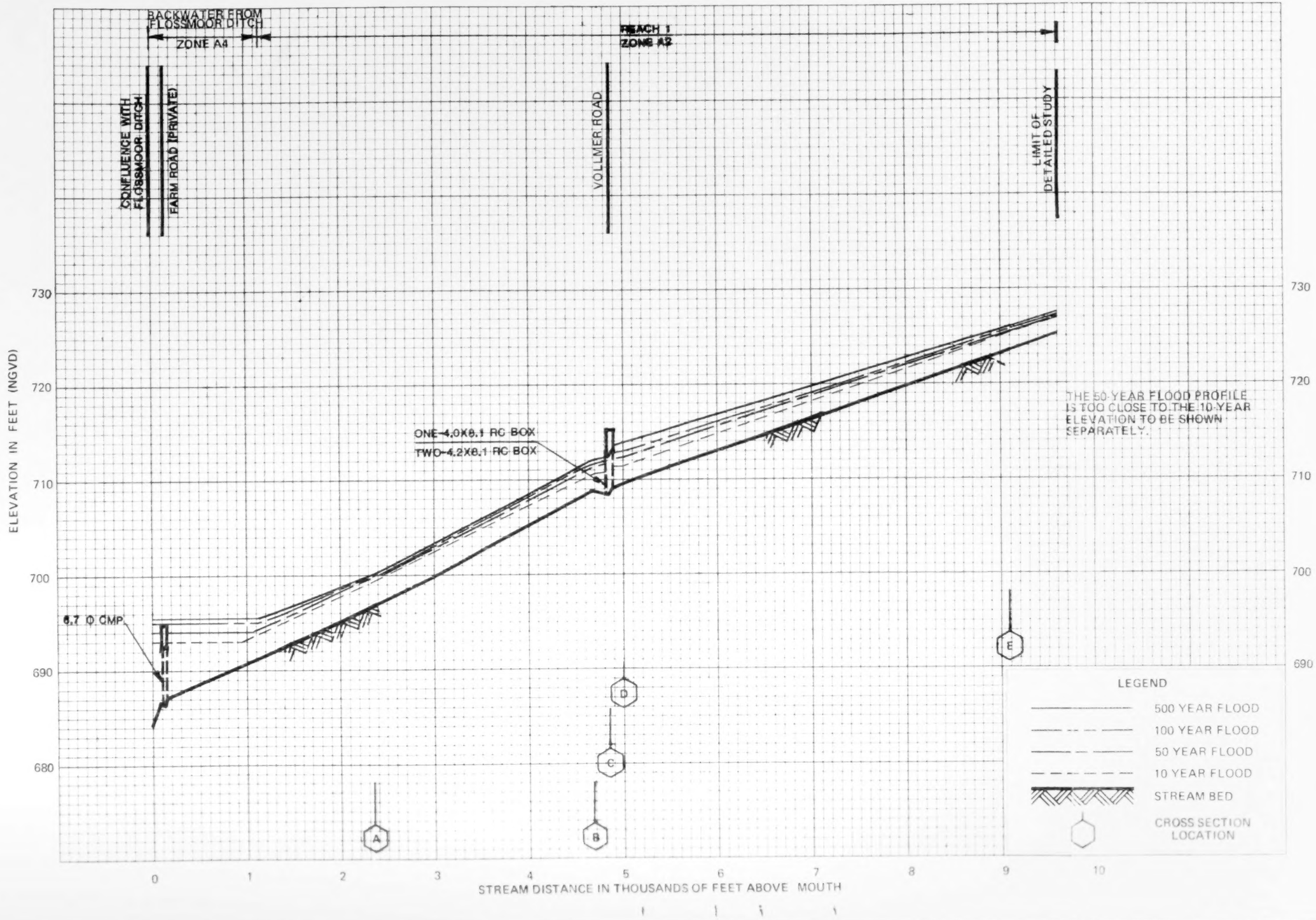
100P

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

FLOOD PROFILES

FLOSSMOOR DITCH



FLOOD PROFILES

TRIBUTARY A OF FLOSSMOOR DITCH

FEDERAL EMERGENCY MANAGEMENT AGENCY
Federal Insurance Administration

COOK COUNTY, IL
(UNINCORPORATED AREAS)

101P